

January 24, 2017

Chairman Ajit Pai
Federal Communications Commission
445 Twelfth Street, SW
Washington, DC 20554

Re: *Amendment of Parts 1, 21, 73, 74 and 101 of the Commission's Rules to Facilitate the Provision of Fixed and Mobile Broadband Access, Educational and other Advanced Services in the 2150-2162 and 2500-2690 MHz Bands – WT Docket No. 03-66*

Dear Chairman Pai:

On behalf of the Wireless Communications Association International (“WCA”), congratulations on your appointment as Chairman of the Commission. WCA looks forward to working with you in that capacity, particularly as it involves the licensing of Educational Broadband Service (“EBS”) white space. We are writing to urge you to quickly circulate for Commission consideration a *Third Further Notice of Proposed Rulemaking* (“*Third FNPRM*”) consistent with the 2014 industry compromise proposal filed by WCA, the National EBS Association (“NEBSA”), the Catholic Television Network (“CTN”), and other EBS licensees so that available EBS spectrum be made available to educators, and potentially commercial providers through cooperative secondary market leasing arrangements.¹

The amount of unlicensed EBS spectrum is significant. Although urban and suburban America is largely licensed, there are approximately 4000 counties in the U.S., mostly rural, where at least one EBS channel is available across the entire county. Today, approximately 18.2 million people reside and 780,000 businesses operate in areas of the country where not one of the 20 EBS channels is available. The result, not surprisingly, is that many Americans have limited access to the higher speed broadband services that are widely available in more urban portions of the country. A map illustrating the EBS white space is attached as Attachment 2.²

¹ See Letter from Edwin N. Lavergne, Counsel for Catholic Technology Network, et al., to Marlene H. Dortch, Secretary, Federal Communications Commission, WT Docket No. 03-66 (June 6, 2014). A copy of that joint compromise proposal is attached as Attachment 1.

² This map illustrates the EBS white space for one of the 20 EBS channels. Although the available white space differs from channel to channel, those differences are not materially different from what is illustrated by this map. Green circles on the map represent existing 35 mile radius circular Geographic Service Areas (“GSAs”). Purple areas reflect the pending industry compromise proposal to extend GSAs to county boundaries to make licensing more consistent with geographic units used for other services and

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The last general filing window for new EBS applications was in 1995 – eligible EBS entities have not been able to routinely apply for new EBS licenses for 22 years.³ The most recent rulemaking activity for the licensing of EBS white space was in 2008 when the FCC issued a *Second Further Notice of Proposed Rulemaking* (the “*Second FNPRM*”) in WT Docket No. 03-66 seeking input on possible vehicles for licensing vacant EBS spectrum.⁴ Comments in response to the *Second FNPRM* presented a range of alternative concepts. Over the eight years since then, WCA and the EBS community worked together diligently to move this proceeding to resolution. Most recently, in June 2014 and after numerous meetings with Commission staff, they submitted the joint compromise for the licensing of currently unlicensed EBS spectrum. While a few have filed ex parte comments finding fault with the proposal, none have advanced a viable alternative. Although this compromise proposal is a logical outgrowth of the 2008 *Second FNPRM* and thus can lawfully be adopted without further formal notice and comment, former leadership of the WTB indicated a preference for issuing a *Third FNPRM* to seek additional comment. Although we do not agree that further formal notice is lawfully necessary, WCA does not object to seeking further comment if the process can occur in a timely fashion. We understand that a *Third FNPRM* has been drafted, but was never circulated to Commissioners for consideration.

In addition to our concerns over the 22 year hold on accepting routine applications for EBS white space, the recent granting of new EBS licenses that meet certain criteria adopted by WTB, without any apparent input from or coordination with the Commissioners, is also concerning, especially since that criteria limits eligibility to EBS entities that promise never to lease excess capacity on their spectrum to commercial entities. As a result, those EBS entities that are being granted new EBS licenses by WTB are well funded institutions, and the less affluent educators – the educators who are likely in the most need of the benefits EBS can provide – are denied access to EBS. As the Commission stated in 2004, “...it is well established that revenue from leasing to commercial interests has, in many instances, effectively funded and financed [EBS] buildout and operations. The Commission has always considered the leasing of

to better fit within the Universal Licensing System. White areas reflect areas that would be available for new licensing under the pending industry compromise proposal. The map does not reflect the waivers granted by the Wireless Telecommunications Bureau (“WTB”) to a handful of new EBS licenses to entities that can afford construction and deployment without financial assistance from leasing (a policy discussed in more detail below).

³ See Notice of Instructional Television Fixed Service Filing Window from October 16, 1995 through October 20, 1995, *Public Notice*, Report No. 23565A (rel. Aug. 4, 1995).

⁴ See Amendment of Parts 1, 21, 73, 74 and 101 of the Commission’s Rules to Facilitate the Provision of Fixed and Mobile Broadband Access, Educational and Other Advanced Services in the 2150-2162 and 2500-2690 MHz Bands, *Third Order on Reconsideration and Sixth Memorandum Opinion and Order and Fourth Memorandum Opinion and Order and Second Further Notice of Proposed Rulemaking and Declaratory Ruling*, 23 FCC Rcd 5992 (2008).

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excess capacity a legitimate source of funding for the educational mission, and has taken numerous steps over the years to facilitate and encourage these secondary market transactions.”⁵ Yet, WTB’s restriction on leasing has the effect, perhaps unintentional, of denying access to EBS spectrum to those educators who require leasing to fund new EBS deployments. And, in the process, WTB’s restriction denies wireless broadband service providers access to an important spectrum resource.

As you indicated in Cincinnati this past fall, “...there are still far too many parts of this country where broadband is unaffordable, inadequate, or nonexistent – where it’s harder to start a business, improve one’s life, build a community.”⁶ Here is an item you can add to your Digital Empowerment Agenda that is teed up and ready to go. The time to adopt new rules for the licensing of EBS white space is now, and we stand ready to work with you, your colleagues at the Commission, and the EBS community to make this happen as quickly as possible!

Pursuant to Sections 1.1206(b)(1) and 1.49(f) of the Commission’s Rules, this letter is being filed electronically with the Commission via the Electronic Comment Filing System. Should you have any questions regarding this presentation, please contact the undersigned.

Respectfully submitted,



Paul J. Sinderbrand
Mary N. O'Connor

Counsel to the Wireless Communications
Association International

Attachments

cc: Matthew Berry
Nicholas Degani
Rachel Bender

⁵ Amendment of Parts 1, 21, 73, 74 and 101 of the Commission’s Rules to Facilitate the Provision of Fixed and Mobile Broadband Access, Educational and Other Advanced Services in the 2150-2162 and 2500-2690 MHz Bands, *Report and Order and Further Notice of Proposed Rulemaking*, 19 FCC Rcd 14165, 14225 ¶ 157 (2004) (citation omitted).

⁶ Federal Communications Commission, Commissioner Ajit Pai, *A Digital Empowerment Agenda*, Remarks at the Brandery, Cincinnati, Ohio (Sept. 13, 2016).

ATTACHMENT 1

June 6, 2014

VIA ELECTRONIC FILING

Marlene H. Dortch
Secretary
Federal Communications Commission
445 Twelfth Street, S.W.
Washington, DC 20554

RE: Ex Parte Communication

WT Docket No. 03-66; Amendment of Parts 1, 21, 73, 74 and 101 of the Commission's Rules to Facilitate the Provision of Fixed and Mobile Broadband Access, Educational and other Advanced Services in the 2150-2162 and 2500-2690 MHz Bands

Dear Ms. Dortch:

The Catholic Technology Network ("CTN"), the National EBS Association ("NEBSA"), the Wireless Communications Association International ("WCAI"), and the Hispanic Information and Telecommunications Network, Inc. ("HITN") hereby submit the attached proposal ("Consensus Proposal") to license all remaining unassigned Educational Broadband Service ("EBS") spectrum. We urge the Commission to issue a public notice seeking comment on the Consensus Proposal and then to act expeditiously to adopt final rules to license all remaining EBS spectrum. Proposed revisions to Parts 1 and 27 of the Commission's rules are included as Appendix A to the Consensus Proposal.

Expeditious action is requested because it has been nearly 20 years since eligible EBS entities have had the opportunity to apply for new EBS licenses.¹ In the meantime, both incumbent EBS licensees and potential new entrants have been precluded from using EBS spectrum in many areas of the country.

In 2008, the Commission initiated a comprehensive notice of proposed rulemaking to develop a record on a broad range of options to license EBS spectrum including "by competitive bidding among applicants, as well as through other means that would avoid mutual exclusivity among applications, obviating any need for competitive bidding."² The Commission asked for

¹ In re Amendment of Part 74 of the Commission's Rules with Regard to the Instructional Television Fixed Service, *Report and Order*, 10 FCC Rcd 2907 (1995).

² Amendment of Parts 1, 21, 73, 74 and 101 of the Commission's Rules to Facilitate the Provision of Fixed and Mobile Broadband Access, Educational and Other Advanced Services in the 2150-2162 and 2500-2690 MHz Bands, *Third Order on Reconsideration and Sixth Memorandum Opinion and Order and Fourth Memorandum Opinion and Order and Second Further Notice of Proposed Rulemaking and Declaratory Ruling*, WT Docket No. 03-66, 23 FCC Rcd 5992 at ¶ 187 (2008) ("Notice").

comment “on all available options for granting geographic area licenses without providing for mutually exclusive applications.”³ And it made clear that the options presented in the Notice were “not meant to preclude commenters from offering other proposals or raising other questions relating to the assignment of new EBS licenses.” The Commission sought comment on all questions and issues relating to the assignment of new EBS licenses.⁴

Most parties that responded to the Notice were in agreement that competitive bidding is not well-suited for EBS licensing. However, there was significant disagreement among commenters – including among CTN, NEBSA, and HITN – as to how vacant EBS spectrum should be licensed. After many years of discussion and debate, and through the cooperative efforts of NEBSA, CTN, WCAI, HITN, and many of the country’s larger EBS license holders, we are pleased to submit the Consensus Proposal as a reasonable and practical means to break this deadlock and get on with the important task of licensing all remaining EBS spectrum.

We stand ready to assist the Commission in any way that is helpful to adopt final EBS licensing rules.

Respectfully submitted,

/s/ Edwin N. Lavergne
Counsel for Catholic Technology Network

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/s/ Todd D. Gray
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³ *Id.* at ¶ 196.

⁴ *Id.* at ¶ 204.

/s/ Evan D. Carb

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Attachments

cc: John Leibovitz
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John Schauble
Nancy Zaczek

Consensus Proposal
EBS Licensing – WT Docket No. 03-66

Initial Expansion to County Boundaries

As a first step, on a channel-by-channel basis, existing Educational Broadband Service (“EBS”) geographic service areas (“GSAs”) that cover any portion of a county and are immediately adjacent to unlicensed areas in the county will expand to fill such adjacent unlicensed area up to the county boundary lines.¹ If two or more co-channel GSAs cover any portion of the same county and are adjacent to the same unlicensed area in the county, the area of expansion within such unlicensed area will be split among the incumbent GSAs.² County expansions will occur automatically by action of the FCC upon the effective date of the new rules (no applications or notices of participation will be required).³

Announcement of Available EBS Spectrum

After release of the Public Notice announcing initial county expansions, the FCC will release a second Public Notice which includes the attached spreadsheet, identifying on a channel-by-channel basis, the specific states and counties where EBS spectrum is available for application. The Public Notice will also announce the date no earlier than 30 days following the issuance of the Public Notice when Stage 1 applications may be filed.

Stage 1 Applications

Stage 1 applications will be filed during a one-day, first come, first served filing window that will be limited to applications by EBS eligible Native American Tribal Entities proposing GSAs that fall within the geographic boundaries of their Tribal Lands.⁴ This Tribal priority will further

¹ A “county” means a county-equivalent entity as defined in Federal Information Processing Standards Publication 6-4 (August 31, 1990), which is currently used by the FCC for spectrum licensing purposes.

² Splits will occur by drawing straight lines between the reference points of participating incumbent GSAs (without crossing any other incumbent GSAs) and then drawing perpendicular lines to those lines located half way between the reference points which run to county boundaries or to the intersection with other such perpendicular lines, whichever occurs first.

³ Since the E or F group channels have been licensed for the Broadband Radio Service everywhere except where there are grandfathered EBS stations, there will be no expansion of these channels and they will continue to be governed by the provisions of Section 27.1216(a) of the Rules. MVPD opt-out stations will be permitted to participate in the expansions with the understanding that any operations in the expansion area will have to be consistent with the new EBS band plan and technical rules.

⁴ Native American Tribal Entities” means entities that are listed on the U.S. Secretary of the Interior’s currently published list of Indian Tribes recognized to be eligible for the special programs and services provided by the United States to Indians because of their status as Indians (*See The Federally Recognized Indian Tribe List Act of 1994* (Indian Tribe Act, Public Law 103-154, 108 Stat. 4791 (1994))) and that otherwise meet EBS eligibility requirements. “Tribal Lands” means any federally recognized Indian

the goal of encouraging further deployment and use of wireless spectrum on underserved Tribal lands.⁵ The GSA of each proposed station (and thus, the geographic area of the Tribal Lands in question) must be at least 1924 square miles and not occupy areas covered by licensed GSAs on the channel group proposed. Tribal Land GSAs must be specified in accordance with ULS policies for specifying non-standard geographic areas.

The FCC will grant an EBS license for one channel group within each Tribal Land. Once an application that is acceptable for filing for any channel group is submitted for a given geographic area, subsequent applications for that Tribal Land will be cut-off and dismissed. The FCC will then release a Public Notice listing the Tribal Land EBS licenses granted and the date no earlier than 30 days following the issuance of the Public Notice when Stage 2 applications may be filed. Any EBS eligible Native American Tribal Entity that wants to file for additional EBS licenses may do so by filing Stage 2 or Stage 3 applications.

Stage 2 Applications

Stage 2 applications will be filed during a one-day, first come, first served filing window during which any EBS eligible entity may apply for available EBS spectrum. If a one-day filing window is not technically feasible, the filing window will be broken down into batches by state or groups of states. Applications may be filed on a county-by-county and channel-group-by-channel-group basis (recognizing that some applications may be for fewer than all four channels of a group, due to prior licensing), including for EBS spectrum remaining in any county that is partially covered by a Tribal Land EBS license on an overlay basis, protecting the boundaries of the Tribal Land EBS license.

During this filing window, an applicant and any attributable party to such applicant will collectively be permitted to file up to seven applications.⁶ While an applicant may increase its chances of obtaining a license in a particular county by filing separate applications for multiple available channel groups, an applicant can be awarded a license for only one channel group within any single county during Stage 2. Thus, if one of an applicant's applications for a county is granted, its remaining applications for that county will be dismissed.

Stage 3 Applications

tribe's reservation, pueblo or colony, including former reservations in Oklahoma, Alaska Native regions established pursuant to the Alaska Native Claims Settlements Act (85 Stat. 688), and Indian allotments.

⁵ See *Improving Communications Services for Native Nations by Promoting Greater Utilization of Spectrum over Tribal Lands*, WT Docket No. 11-40, Notice of Proposed Rulemaking, FCC 11-29, at ¶¶ 3-4 & 35 (rel. Mar. 3, 2011). See also *Connecting America: The National Broadband Plan*, prepared by the staff of the Federal Communications Commission, March, 2010 at p.23.

⁶ The following parties shall be attributable to the applicant: (a) its affiliates, (b) its controlling interests, and (c) the affiliates of its controlling interests, as these terms are defined in 47 C.F.R. Sections 1.2110(c)(2)(i), 1.2110(c)(2)(ii) and 1.2110(c)(5).

Following completion of the Stage 2 licensing process, the FCC will release a Public Notice listing the Stage 2 licenses granted and announcing the date no earlier than 30 days following the issuance of the Public Notice for commencement of a first come, first served rolling filing window during which applications may be filed for any remaining EBS spectrum by any EBS eligible entity. During the rolling filing window, there will be no limit on the number of applications a single entity may file. Applications will be filed county-by county and channel-group-by-channel-group (recognizing that some applications may be for fewer than all four channels of a group due to prior licensing).

In both Stage 2 and Stage 3, the first-filed application that is acceptable for filing for a particular channel group in a county will be granted. Subsequent applications will be cut-off and dismissed.

Rules

Draft rules implement this consensus proposal are attached as Appendix A.

APPENDIX A

PROPOSED RULE CHANGES

1. Section 1.2102 is amended by replacing paragraph (c)(4) with the following:

(c) * * *

(4) Educational Broadband Service (*see* 47 CFR part 27, subpart M).

* * * * *

2. Section 27.4 is amended by adding the following definitions in appropriate alphabetical order:

* * * * *

County. A county or a county-equivalent entity as defined in Federal Information Processing Standards Publication 6-4 (August 31, 1990).

* * * * *

Native American Tribal Entities. Entities that are listed on the U.S. Secretary of the Interior's currently published list of Indian Tribes recognized to be eligible for the special programs and services provided by the United States to Indians because of their status as Indians (*See The Federally Recognized Indian Tribe List Act of 1994* (Indian Tribe Act, Public Law 103-154, 108 Stat. 4791 (1994))

* * * * *

Tribal Lands. Any federally recognized Native American Tribal Entity's reservation, pueblo or colony, including former reservations in Oklahoma, Alaska Native regions established pursuant to the Alaska Native Claims Settlements Act (85 Stat. 688), and Indian allotments.

* * * * *

3. Section 27.11 is amended by revising paragraph (a) to read as follows:

§27.11 Initial authorization.

(a) An applicant must file a single application for an initial authorization for all markets won and frequency blocks desired. Initial authorizations shall be granted in accordance with §27.5. Applications for individual sites are not required and will not be accepted, except where required for environmental assessments, in accordance with §§1.1301 through 1.1319 of this chapter or as required by §27.1207, §27.1209 or §27.1219 of this chapter. Applications for initial authorizations for Educational Broadband Service licenses are governed by §27.1219.

* * * * *

4. Section 27.1206 is amended to read as follows:

§27.1206 Geographic Service Area.

The Geographic Service Area (GSA) for a BRS or EBS channel is:

(a) For BRS:

(1) For BRS incumbent licenses granted prior to September 15, 1995, the GSA for a channel is the area that is bounded by a circle having a 35 mile radius and centered at the station's reference coordinates, which was the previous PSA entitled to incumbent licensees prior to January 10, 2005, subject to being bounded by the chord(s) drawn between any intersection points of the licensee's previous 35 mile PSA and those of overlapping adjacent market, co-channel PSAs.

(2) For BRS BTA authorization holders, the GSA for a channel is the BTA, subject to the exclusion of overlapping, co-channel incumbent GSAs as described in paragraph (a)(1)(i) of this section.

(3) If the license for an incumbent BRS station cancels or is forfeited, the GSA area of the incumbent station shall dissolve and the right to operate in that area automatically reverts to the GSA licensee that held the corresponding BTA.

(b) For EBS:

(1) For incumbent EBS licenses in effect as of [INSERT EFFECTIVE DATE OF NEW RULES], the GSA for a channel shall be determined by first taking the GSA in effect immediately prior to such date as created by the Report and Order and Further Notice of Proposed Rulemaking in WT Docket 03-66, 19 FCC Rcd 14165 (2004), or the GSA otherwise subsequently determined by the Commission; and then, if that GSA covers any portion of a county and is immediately adjacent to unlicensed areas in the county, expanding the GSA to fill such adjacent unlicensed area up to the county boundary lines, provided however that if on [INSERT EFFECTIVE DATE OF NEW RULES] two or more co-channel GSAs cover any portion of the same county and are adjacent to the same unlicensed area in the county, the area of expansion within such unlicensed area will be split among the incumbent GSAs. Such splits will occur by drawing straight lines between the reference points of participating incumbent GSAs (without crossing any other incumbent GSAs) and then drawing perpendicular lines to those lines located half way between the reference points which run to county boundaries or to the intersection with other such perpendicular lines, whichever occurs first. Notwithstanding the foregoing, GSAs for channels in the E and F Groups shall not expand as of [INSERT EFFECTIVE DATE OF NEW RULES] and shall continue to be established by §27.1216(a) of this chapter.

(2) For new EBS licenses issued to Native American Tribal Entities pursuant to §27.1219 of this chapter, the GSA for a channel shall be that portion of the licensee's Tribal Lands specified in the application for such license.

(3) For other new EBS licenses issued after [INSERT EFFECTIVE DATE OF NEW RULES], the GSA for a channel shall be the county for which license is issued,

subject to the exclusion of overlapping, co-channel incumbent GSAs as described in paragraph (a)(2)(ii) of this section.

5. Section 27.1209 is amended by revising paragraph (a) as follows and eliminating paragraph (c):

§27.1209 Conversion of incumbent EBS and BRS stations to geographic area licensing.

(a) Any EBS or BRS station licensed by the Commission, other than BTA authorizations, facilities authorized pursuant to BTA authorizations, initial EBS licenses issued after [INSERT EFFECTIVE DATE OF NEW RULES] or facilities authorized pursuant to initial EBS licenses issued after [INSERT EFFECTIVE DATE OF NEW RULES], shall be considered an incumbent station.

* * * * *

6. A new Section 27.1219 is added to read as follows:

§ 27.1219 Applications for new Educational Broadband Service licenses.

(a) *Stage 1 (Native American Tribal) Window.*

(1) On such date within one year of [INSERT EFFECTIVE DATE OF NEW RULES] as shall be established by public notice, a one-day first come, first served filing window will open during which Native American Tribal Entities that otherwise meet EBS eligibility requirements may apply for new EBS licenses. Each such application shall be limited to no more than the four channels within a single EBS channel group and may only propose GSAs that fall within the geographic boundaries of their Tribal Lands, that are at least 1924 contiguous square miles and that do not occupy areas covered by licensed GSAs of incumbent stations on the channel group proposed. Only one Stage 1 EBS license shall be issued for any geographic area and the first application for a given geographic area which is acceptable for filing shall be cut-off from any subsequent Stage 1 applications for all or part of the same geographic area. Such subsequent applications will not be accepted and shall be dismissed.

(2) In the event any Stage 1 application is pending at the time of a Stage 2 or Stage 3 Window in which the Commission offers a co-channel Stage 2 or Stage 3 EBS License that overlaps the Tribal Land proposed to be served by the Stage 1 application, any Stage 2 or Stage 3 EBS license issued by the Commission shall be subject to the final disposition of the Stage 1 application. In the event any license issued pursuant to the Stage 1 Window is forfeited or cancelled, the GSA of that license shall dissolve and the right to operate in that area automatically reverts to any licensee(s) for the corresponding co-channel county license(s) issued pursuant to Stage 2 or Stage 3.

(b) *Stage 2 Windows.*

(1) On such date or dates following the Stage 1 Window as shall be established by public notice, one or more first come, first served filing windows will open during which

any EBS eligible entity may apply for such available new EBS licenses as shall be specified in the public notice. New Stage 2 EBS licenses shall be made available on a county-by-county and channel-group-by-channel-group basis (although fewer than all four channels of an EBS channel group may be available in any given county due to prior licensing). The public notice preceding each Stage 2 window shall identify the counties that will be the subject of the window and the channel groups within each county that will be made available during that window. Each available EBS license shall be made available once, but only once, during the Stage 2 Window process. Any license for a county that is partially covered by a Stage 1 EBS license shall only cover those portions of the county not covered by the Stage 1 EBS license. Applications for an available Stage 2 EBS license shall be cut-off upon the filing of the first application for that license which is acceptable for filing. Subsequent applications will not be accepted and shall be dismissed.

(2) An applicant and any “attributable” party with respect to such applicant may collectively cumulatively file across all Stage 2 Windows no more than seven applications. For purposes of this restriction, the following parties shall be attributable to the applicant: (a) its affiliates, (b) its controlling interests, and (c) the affiliates of its controlling interests, as these terms are defined in Sections 1.2110(c)(2)(i)-(c)(2)(ii) and 1.2110(c)(5) of this chapter. While an applicant may increase its chances of obtaining a license in a particular county by filing separate applications for multiple available channel groups, an applicant can be awarded a license for only one channel group within any single county during the Stage 2 Windows.

(c) *Stage 3 Licensing.* On such date as shall be established by public notice after all EBS licenses available as of [INSERT EFFECTIVE DATE OF NEW RULES] shall have been made available pursuant to Stage 1 and Stage 2 Windows, all remaining EBS spectrum shall be made available on a county-by-county and channel-group-by-channel-group basis (although fewer than all four channels of an EBS group may be available due to prior licensing). Applications for an available Stage 3 EBS license shall be cut-off upon the filing of the first application for that license which is acceptable for filing. Subsequent mutually-exclusive applications will not be accepted and shall be dismissed. There shall be no limit on the number of Stage 3 applications an entity may submit and no limit on the number of licenses that an applicant can be awarded for any county or counties.

(d) Except as otherwise set forth in in this §27.1219, applications for new EBS station licenses shall be subject to the provisions of part 1, subpart F of this chapter, including provisions relating to the electronic filing of applications (§1.913), ownership information (§1.919), public notices (§1.933), petitions to deny (§1.939) and license grants (§1.945).

(e) EBS Stage 1, Stage 2 and Stage 3 licenses shall be blanket licenses permitting construction and operation of fixed or mobile stations on all licensed frequencies within the specified service area.

(1) Notwithstanding such blanket license, a station is required to be individually licensed if:

(i) International agreements require coordination;

(ii) Submission of an Environmental Assessment is required under §1.1307 of this chapter;

(iii) The station would affect the radio quiet zones under §1.924 of this chapter.

(2) Any antenna structure that requires notification to the Federal Aviation Administration (FAA) must be registered with the Commission prior to construction under §17.4 of this chapter.

County	State	A Group	B Group	C Group	D Group	G Group	
Aleutians East	AK	4	4	4	4	4	
Aleutians West	AK	4	4	4	4	4	
Anchorage	AK						
Bethel	AK	4	4	4	4	4	
Bristol Bay	AK	4	4	4	4	4	
Denali	AK	4	4	4	4	4	
Dillingham	AK	4	4	4	4	4	
Fairbanks North Star	AK			4			
Haines	AK	4	4	4	4	4	
Hoonah-Angoon	AK	4	4	4	4	4	
Juneau	AK	4	4	4	4	4	
Kenai Peninsula	AK						
Ketchikan Gateway	AK	4	4	4	4	4	
Kodiak Island	AK	4	4	4	4	4	
Lake and Peninsula	AK	4	4	4	4	4	
Matanuska-Susitna	AK						
Nome	AK	4	4	4	4	4	
North Slope	AK	4	4	4	4	4	
Northwest Arctic	AK	4	4	4	4	4	
Petersburg	AK	4	4	4	4	4	
Prince of Wales-Outer Ketchikan	AK	4	4	4	4	4	
Sitka	AK	4	4	4	4	4	
Skagway	AK	4	4	4	4	4	
Southeast Fairbanks	AK	4	4	4	4	4	
Valdez-Cordova	AK	4	4	4	4	4	
Wade Hampton	AK	4	4	4	4	4	
Wrangell	AK	4	4	4	4	4	
Yakutat	AK	4	4	4	4	4	
Yukon-Koyukuk	AK			4			
Autauga	AL	4				4	
Baldwin	AL						
Barbour	AL						
Bibb	AL						
Blount	AL						
Bullock	AL						
Butler	AL	4				4	
Calhoun	AL						
Chambers	AL						
Cherokee	AL						
Chilton	AL	4					
Choctaw	AL						
Clarke	AL	4					
Clay	AL						
Cleburne	AL						
Coffee	AL						

County	State	A Group	B Group	C Group	D Group	G Group	
Colbert	AL						
Conecuh	AL	4	4	4	4	4	
Coosa	AL						
Covington	AL	4	4	4	4	4	
Crenshaw	AL	4				4	
Cullman	AL						
Dale	AL					4	
Dallas	AL	4					
DeKalb	AL						
Elmore	AL						
Escambia	AL						
Etowah	AL						
Fayette	AL	4					
Franklin	AL						
Geneva	AL						
Greene	AL						
Hale	AL						
Henry	AL					4	
Houston	AL						
Jackson	AL						
Jefferson	AL						
Lamar	AL						
Lauderdale	AL						
Lawrence	AL						
Lee	AL						
Limestone	AL						
Lowndes	AL	4				4	
Macon	AL						
Madison	AL						
Marengo	AL	4					
Marion	AL						
Marshall	AL						
Mobile	AL						
Monroe	AL	4	4		4	4	
Montgomery	AL	4				4	
Morgan	AL						
Perry	AL						
Pickens	AL						
Pike	AL	4				4	
Randolph	AL						
Russell	AL						
Shelby	AL						
St. Clair	AL						
Sumter	AL						
Talladega	AL						
Tallapoosa	AL						

County	State	A Group	B Group	C Group	D Group	G Group	
Tuscaloosa	AL						
Walker	AL						
Washington	AL	4	4		4	4	
Wilcox	AL	4					
Winston	AL						
Arkansas	AR						
Ashley	AR	4				4	
Baxter	AR	4	4	4	4	4	
Benton	AR						
Boone	AR	4	4	4	4	4	
Bradley	AR						
Calhoun	AR						
Carroll	AR						
Chicot	AR						
Clark	AR						
Clay	AR						
Cleburne	AR						
Cleveland	AR						
Columbia	AR						
Conway	AR					4	
Craighead	AR						
Crawford	AR						
Crittenden	AR						
Cross	AR						
Dallas	AR						
Desha	AR						
Drew	AR						
Faulkner	AR						
Franklin	AR						
Fulton	AR	4	4	4	4	4	
Garland	AR						
Grant	AR						
Greene	AR						
Hempstead	AR						
Hot Spring	AR						
Howard	AR						
Independence	AR						
Izard	AR	4	4	4	4	4	
Jackson	AR						
Jefferson	AR						
Johnson	AR	4	4	4	4	4	
Lafayette	AR						
Lawrence	AR						
Lee	AR						
Lincoln	AR						
Little River	AR						

County	State	A Group	B Group	C Group	D Group	G Group	
Logan	AR						
Lonoke	AR						
Madison	AR						
Marion	AR	4	4	4	4	4	
Miller	AR						
Mississippi	AR						
Monroe	AR						
Montgomery	AR						
Nevada	AR						
Newton	AR	4	4	4	4	4	
Ouachita	AR						
Perry	AR						
Phillips	AR						
Pike	AR						
Poinsett	AR						
Polk	AR		4	4	4		
Pope	AR					4	
Prairie	AR						
Pulaski	AR						
Randolph	AR						
Saline	AR						
Scott	AR						
Searcy	AR	4	4	4	4	4	
Sebastian	AR						
Sevier	AR						
Sharp	AR	4	4	4	4	4	
St. Francis	AR						
Stone	AR						
Union	AR						
Van Buren	AR						
Washington	AR						
White	AR						
Woodruff	AR						
Yell	AR						
Eastern	AS			4	4	4	
Manu'a	AS	4	4	4	4	4	
Rose Island	AS	4	4	4	4	4	
Swains Island	AS	4	4	4	4	4	
Western	AS			4	4	4	
Apache	AZ	4	4	4	4	4	
Cochise	AZ	4	4				
Coconino	AZ						
Gila	AZ				4		
Graham	AZ	4			4		
Greenlee	AZ	4	4	4	4	4	
La Paz	AZ						

County	State	A Group	B Group	C Group	D Group	G Group	
Maricopa	AZ						
Mohave	AZ						
Navajo	AZ	4	4	4	4	4	
Pima	AZ						
Pinal	AZ						
Santa Cruz	AZ	4	4				
Yavapai	AZ						
Yuma	AZ						
Alameda	CA						
Alpine	CA						
Amador	CA						
Butte	CA						
Calaveras	CA						
Colusa	CA						
Contra Costa	CA						
Del Norte	CA	4	4	4	4	4	
El Dorado	CA						
Fresno	CA						
Glenn	CA						
Humboldt	CA	4		4	4		
Imperial	CA						
Inyo	CA		4		4	4	
Kern	CA						
Kings	CA						
Lake	CA						
Lassen	CA						
Los Angeles	CA						
Madera	CA						
Marin	CA						
Mariposa	CA						
Mendocino	CA						
Merced	CA						
Modoc	CA	4	4	4	4	4	
Mono	CA	4	4	4	4	4	
Monterey	CA						
Napa	CA						
Nevada	CA						
Orange	CA						
Placer	CA						
Plumas	CA						
Riverside	CA						
Sacramento	CA						
San Benito	CA		4				
San Bernardino	CA						
San Diego	CA						
San Francisco	CA						

County	State	A Group	B Group	C Group	D Group	G Group	
San Joaquin	CA						
San Luis Obispo	CA						
San Mateo	CA						
Santa Barbara	CA						
Santa Clara	CA						
Santa Cruz	CA						
Shasta	CA						
Sierra	CA						
Siskiyou	CA						
Solano	CA						
Sonoma	CA						
Stanislaus	CA						
Sutter	CA						
Tehama	CA						
Trinity	CA						
Tulare	CA						
Tuolumne	CA						
Ventura	CA						
Yolo	CA						
Yuba	CA						
Adams	CO						
Alamosa	CO		4	4		4	
Arapahoe	CO						
Archuleta	CO	4	4	4	4	4	
Baca	CO	4	4	4	4	4	
Bent	CO		4	4	4	4	
Boulder	CO						
Broomfield	CO						
Chaffee	CO		4	4	4	4	
Cheyenne	CO	4	4	4	4	4	
Clear Creek	CO						
Conejos	CO		4	4		4	
Costilla	CO		4	4		4	
Crowley	CO		4	4	4	4	
Custer	CO						
Delta	CO	4	4				
Denver	CO						
Dolores	CO	4	4	4	4	4	
Douglas	CO						
Eagle	CO		4	4	4	4	
El Paso	CO						
Elbert	CO						
Fremont	CO						
Garfield	CO		4				
Gilpin	CO						
Grand	CO						

County	State	A Group	B Group	C Group	D Group	G Group	
Gunnison	CO		4	4	4	4	
Hinsdale	CO	4	4	4	4	4	
Huerfano	CO						
Jackson	CO	4	4	4	4	4	
Jefferson	CO						
Kiowa	CO		4	4	4	4	
Kit Carson	CO	4	4	4	4	4	
La Plata	CO	4		4		4	
Lake	CO		4	4	4	4	
Larimer	CO						
Las Animas	CO						
Lincoln	CO	4	4	4	4	4	
Logan	CO	4			4	4	
Mesa	CO		4				
Mineral	CO	4	4	4	4	4	
Moffat	CO	4	4	4	4	4	
Montezuma	CO	4		4		4	
Montrose	CO	4	4				
Morgan	CO	4			4	4	
Otero	CO		4	4	4	4	
Ouray	CO	4	4	4	4	4	
Park	CO						
Phillips	CO	4			4	4	
Pitkin	CO		4	4	4	4	
Prowers	CO	4	4	4	4	4	
Pueblo	CO						
Rio Blanco	CO	4	4	4	4	4	
Rio Grande	CO		4	4		4	
Routt	CO		4	4	4	4	
Saguache	CO		4	4		4	
San Juan	CO	4	4	4	4	4	
San Miguel	CO	4	4	4	4	4	
Sedgwick	CO	4			4	4	
Summit	CO						
Teller	CO						
Washington	CO	4			4	4	
Weld	CO						
Yuma	CO	4			4	4	
Fairfield	CT						
Hartford	CT						
Litchfield	CT						
Middlesex	CT						
New Haven	CT						
New London	CT						
Tolland	CT						
Windham	CT						

County	State	A Group	B Group	C Group	D Group	G Group	
District of Columbia	DC						
Kent	DE					4	
New Castle	DE						
Sussex	DE					4	
Alachua	FL						
Baker	FL						
Bay	FL						
Bradford	FL						
Brevard	FL						
Broward	FL						
Calhoun	FL						
Charlotte	FL						
Citrus	FL						
Clay	FL						
Collier	FL						
Columbia	FL						
DeSoto	FL						
Dixie	FL						
Duval	FL						
Escambia	FL						
Flagler	FL						
Franklin	FL		4	4	4		
Gadsden	FL						
Gilchrist	FL						
Glades	FL						
Gulf	FL						
Hamilton	FL						
Hardee	FL						
Hendry	FL						
Hernando	FL						
Highlands	FL						
Hillsborough	FL						
Holmes	FL						
Indian River	FL						
Jackson	FL						
Jefferson	FL						
Lafayette	FL						
Lake	FL						
Lee	FL						
Leon	FL						
Levy	FL						
Liberty	FL						
Madison	FL						
Manatee	FL						
Marion	FL						
Martin	FL						

County	State	A Group	B Group	C Group	D Group	G Group	
Miami-Dade	FL						
Monroe	FL						
Nassau	FL						
Okaloosa	FL						
Okeechobee	FL						
Orange	FL						
Osceola	FL						
Palm Beach	FL						
Pasco	FL						
Pinellas	FL						
Polk	FL						
Putnam	FL						
Santa Rosa	FL						
Sarasota	FL						
Seminole	FL						
St. Johns	FL						
St. Lucie	FL						
Sumter	FL						
Suwannee	FL						
Taylor	FL	4					
Union	FL						
Volusia	FL						
Wakulla	FL						
Walton	FL						
Washington	FL						
Appling	GA					4	
Atkinson	GA						
Bacon	GA					4	
Baker	GA						
Baldwin	GA						
Banks	GA						
Barrow	GA						
Bartow	GA						
Ben Hill	GA						
Berrien	GA						
Bibb	GA						
Bleckley	GA						
Brantley	GA					4	
Brooks	GA						
Bryan	GA	4	4		4	4	
Bulloch	GA	4	4		4	4	
Burke	GA						
Butts	GA						
Calhoun	GA						
Camden	GA						
Candler	GA	4	4	4	4	4	

County	State	A Group	B Group	C Group	D Group	G Group	
Carroll	GA						
Catoosa	GA						
Charlton	GA						
Chatham	GA	4	4		4		
Chattahoochee	GA						
Chattooga	GA		4				
Cherokee	GA						
Clarke	GA						
Clay	GA					4	
Clayton	GA						
Clinch	GA						
Cobb	GA						
Coffee	GA						
Colquitt	GA						
Columbia	GA						
Cook	GA						
Coweta	GA						
Crawford	GA						
Crisp	GA						
Dade	GA	4		4			
Dawson	GA						
Decatur	GA						
DeKalb	GA						
Dodge	GA						
Dooly	GA						
Dougherty	GA						
Douglas	GA						
Early	GA						
Echols	GA						
Effingham	GA	4			4		
Elbert	GA						
Emanuel	GA						
Evans	GA	4	4		4	4	
Fannin	GA		4				
Fayette	GA						
Floyd	GA						
Forsyth	GA						
Franklin	GA						
Fulton	GA						
Gilmer	GA		4				
Glascok	GA						
Glynn	GA					4	
Gordon	GA		4				
Grady	GA						
Greene	GA						
Gwinnett	GA						

County	State	A Group	B Group	C Group	D Group	G Group	
Habersham	GA						
Hall	GA						
Hancock	GA						
Haralson	GA						
Harris	GA						
Hart	GA						
Heard	GA						
Henry	GA						
Houston	GA						
Irwin	GA						
Jackson	GA						
Jasper	GA						
Jeff Davis	GA	4	4	4	4	4	
Jefferson	GA						
Jenkins	GA						
Johnson	GA						
Jones	GA						
Lamar	GA	4	4	4	4	4	
Lanier	GA						
Laurens	GA						
Lee	GA						
Liberty	GA	4	4		4	4	
Lincoln	GA						
Long	GA					4	
Lowndes	GA						
Lumpkin	GA						
Macon	GA						
Madison	GA						
Marion	GA						
McDuffie	GA						
McIntosh	GA					4	
Meriwether	GA						
Miller	GA						
Mitchell	GA						
Monroe	GA						
Montgomery	GA	4	4	4	4	4	
Morgan	GA						
Murray	GA						
Muscogee	GA						
Newton	GA						
Oconee	GA						
Oglethorpe	GA						
Paulding	GA						
Peach	GA						
Pickens	GA		4				
Pierce	GA					4	

County	State	A Group	B Group	C Group	D Group	G Group	
Pike	GA						
Polk	GA						
Pulaski	GA						
Putnam	GA						
Quitman	GA						
Rabun	GA	4	4	4	4	4	
Randolph	GA						
Richmond	GA						
Rockdale	GA						
Schley	GA						
Screven	GA		4			4	
Seminole	GA					4	
Spalding	GA						
Stephens	GA						
Stewart	GA						
Sumter	GA						
Talbot	GA						
Taliaferro	GA						
Tattnall	GA	4	4		4	4	
Taylor	GA						
Telfair	GA	4	4	4	4	4	
Terrell	GA						
Thomas	GA						
Tift	GA						
Toombs	GA	4	4	4	4	4	
Towns	GA	4	4	4	4	4	
Treutlen	GA	4	4	4	4	4	
Troup	GA						
Turner	GA						
Twiggs	GA						
Union	GA	4	4	4	4	4	
Upson	GA						
Walker	GA						
Walton	GA						
Ware	GA						
Warren	GA						
Washington	GA						
Wayne	GA					4	
Webster	GA						
Wheeler	GA	4	4	4	4	4	
White	GA						
Whitfield	GA						
Wilcox	GA	4	4	4	4	4	
Wilkes	GA						
Wilkinson	GA						
Worth	GA						

County	State	A Group	B Group	C Group	D Group	G Group	
Gulf of Mexico	GM						
Guam	GU	4	4	4	4	4	
Hawaii	HI						
Honolulu	HI						
Kalawao	HI		4	4	4	4	
Kauai	HI		4		4	4	
Maui	HI		4				
Adair	IA						
Adams	IA	4	4	4	4	4	
Allamakee	IA				3	4	
Appanoose	IA						
Audubon	IA	4	4	4	4	4	
Benton	IA		4				
Black Hawk	IA		4				
Boone	IA						
Bremer	IA		4				
Buchanan	IA		4		4	4	
Buena Vista	IA					4	
Butler	IA			4			
Calhoun	IA	4	3	1	1	4	
Carroll	IA	4	3	1	1	4	
Cass	IA	4	4	4	4	4	
Cedar	IA		4				
Cerro Gordo	IA		4	4	4		
Cherokee	IA						
Chickasaw	IA		4	4	4		
Clarke	IA	4			4	4	
Clay	IA						
Clayton	IA			4	2	4	
Clinton	IA						
Crawford	IA	4	4	4	4	4	
Dallas	IA						
Davis	IA						
Decatur	IA	4	4	4	4	4	
Delaware	IA		4		2	4	
Des Moines	IA						
Dickinson	IA						
Dubuque	IA	4			2	4	
Emmet	IA						
Fayette	IA		4		4	4	
Floyd	IA		4	4	4		
Franklin	IA			4			
Fremont	IA				4		
Greene	IA		1				
Grundy	IA						
Guthrie	IA						

County	State	A Group	B Group	C Group	D Group	G Group	
Hamilton	IA			1			
Hancock	IA	4		4			
Hardin	IA			4			
Harrison	IA				4		
Henry	IA						
Howard	IA		4	4	4	4	
Humboldt	IA	1		1	1	1	
Ida	IA	4	4	4	4	4	
Iowa	IA		4				
Jackson	IA						
Jasper	IA						
Jefferson	IA						
Johnson	IA		4				
Jones	IA		4		4		
Keokuk	IA		4				
Kossuth	IA	4		1			
Lee	IA						
Linn	IA		4				
Louisa	IA						
Lucas	IA	4			4	4	
Lyon	IA						
Madison	IA						
Mahaska	IA	4	4				
Marion	IA						
Marshall	IA						
Mills	IA				4		
Mitchell	IA		4	4	4	4	
Monona	IA	4	4	4	4		
Monroe	IA	4	4	4			
Montgomery	IA	4	4		4	4	
Muscatine	IA		4				
O'Brien	IA						
Osceola	IA						
Page	IA	4	4	4	4	4	
Palo Alto	IA						
Plymouth	IA						
Pocahontas	IA	1		1		4	
Polk	IA						
Pottawattamie	IA				4		
Poweshiek	IA		4			4	
Ringgold	IA	4	4	4	4	4	
Sac	IA	4	3	1	1	4	
Scott	IA		4				
Shelby	IA	4	4		4	4	
Sioux	IA						
Story	IA						

County	State	A Group	B Group	C Group	D Group	G Group	
Tama	IA		4				
Taylor	IA	4	4	4	4	4	
Union	IA	4	4	4	4	4	
Van Buren	IA						
Wapello	IA						
Warren	IA						
Washington	IA		4				
Wayne	IA	4	4	4	4	4	
Webster	IA			1		1	
Winnebago	IA	4		4			
Winneshiek	IA				3	4	
Woodbury	IA		4	4	4		
Worth	IA	4	4	4	4	4	
Wright	IA			1			
Ada	ID						
Adams	ID	4	4	4	4	4	
Bannock	ID						
Bear Lake	ID	4	4	4	4	4	
Benewah	ID						
Bingham	ID						
Blaine	ID						
Boise	ID						
Bonner	ID						
Bonneville	ID						
Boundary	ID	4	4	4	4	4	
Butte	ID	4	4	4	4	4	
Camas	ID						
Canyon	ID						
Caribou	ID						
Cassia	ID						
Clark	ID	4	4	4	4	4	
Clearwater	ID			4			
Custer	ID	4	4	4	4	4	
Elmore	ID						
Franklin	ID	4	4	4	4	4	
Fremont	ID	4	4	4	4	4	
Gem	ID						
Gooding	ID						
Idaho	ID			4			
Jefferson	ID						
Jerome	ID						
Kootenai	ID						
Latah	ID						
Lemhi	ID	4	4	4	4	4	
Lewis	ID		4	4			
Lincoln	ID						

County	State	A Group	B Group	C Group	D Group	G Group	
Madison	ID						
Minidoka	ID						
Nez Perce	ID		4	4			
Oneida	ID						
Owyhee	ID						
Payette	ID						
Power	ID						
Shoshone	ID	4	4	4	4	4	
Teton	ID	4	4	4	4	4	
Twin Falls	ID						
Valley	ID						
Washington	ID						
Adams	IL						
Alexander	IL						
Bond	IL	4	4		4	4	
Boone	IL			2			
Brown	IL						
Bureau	IL						
Calhoun	IL						
Carroll	IL						
Cass	IL					4	
Champaign	IL		4				
Christian	IL						
Clark	IL						
Clay	IL		4				
Clinton	IL	4	4		4	4	
Coles	IL		4			4	
Cook	IL						
Crawford	IL						
Cumberland	IL		4				
De Witt	IL						
DeKalb	IL						
Douglas	IL		4				
DuPage	IL						
Edgar	IL		4				
Edwards	IL						
Effingham	IL		4				
Fayette	IL						
Ford	IL						
Franklin	IL						
Fulton	IL						
Gallatin	IL						
Greene	IL					4	
Grundy	IL				4		
Hamilton	IL						
Hancock	IL						

County	State	A Group	B Group	C Group	D Group	G Group	
Hardin	IL			4		4	
Henderson	IL						
Henry	IL						
Iroquois	IL						
Jackson	IL	4	4	4	4	4	
Jasper	IL		4				
Jefferson	IL						
Jersey	IL						
Jo Daviess	IL						
Johnson	IL			4		4	
Kane	IL						
Kankakee	IL				4		
Kendall	IL						
Knox	IL						
La Salle	IL						
Lake	IL						
Lawrence	IL						
Lee	IL						
Livingston	IL						
Logan	IL						
Macon	IL						
Macoupin	IL						
Madison	IL						
Marion	IL						
Marshall	IL						
Mason	IL						
Massac	IL			4		4	
McDonough	IL						
McHenry	IL						
McLean	IL						
Menard	IL						
Mercer	IL						
Monroe	IL						
Montgomery	IL						
Morgan	IL					4	
Moultrie	IL						
Ogle	IL						
Peoria	IL						
Perry	IL						
Piatt	IL						
Pike	IL						
Pope	IL			4		4	
Pulaski	IL						
Putnam	IL	4					
Randolph	IL						
Richland	IL		4				

County	State	A Group	B Group	C Group	D Group	G Group	
Rock Island	IL						
Saline	IL						
Sangamon	IL						
Schuyler	IL						
Scott	IL					4	
Shelby	IL						
St. Clair	IL						
Stark	IL	4					
Stephenson	IL						
Tazewell	IL						
Union	IL			4		4	
Vermilion	IL						
Wabash	IL						
Warren	IL						
Washington	IL						
Wayne	IL						
White	IL						
Whiteside	IL						
Will	IL						
Williamson	IL						
Winnebago	IL						
Woodford	IL						
Adams	IN						
Allen	IN						
Bartholomew	IN						
Benton	IN						
Blackford	IN						
Boone	IN						
Brown	IN						
Carroll	IN						
Cass	IN						
Clark	IN						
Clay	IN						
Clinton	IN						
Crawford	IN						
Daviess	IN						
Dearborn	IN						
Decatur	IN				4		
DeKalb	IN						
Delaware	IN						
Dubois	IN						
Elkhart	IN						
Fayette	IN						
Floyd	IN						
Fountain	IN						
Franklin	IN						

County	State	A Group	B Group	C Group	D Group	G Group	
Fulton	IN						
Gibson	IN						
Grant	IN						
Greene	IN						
Hamilton	IN						
Hancock	IN						
Harrison	IN						
Hendricks	IN						
Henry	IN						
Howard	IN						
Huntington	IN						
Jackson	IN						
Jasper	IN						
Jay	IN						
Jefferson	IN						
Jennings	IN				4		
Johnson	IN						
Knox	IN						
Kosciusko	IN						
Lagrange	IN						
Lake	IN						
LaPorte	IN						
Lawrence	IN						
Madison	IN						
Marion	IN						
Marshall	IN						
Martin	IN						
Miami	IN						
Monroe	IN						
Montgomery	IN						
Morgan	IN						
Newton	IN						
Noble	IN						
Ohio	IN						
Orange	IN						
Owen	IN						
Parke	IN						
Perry	IN						
Pike	IN						
Porter	IN						
Posey	IN						
Pulaski	IN						
Putnam	IN						
Randolph	IN						
Ripley	IN						
Rush	IN						

County	State	A Group	B Group	C Group	D Group	G Group	
Scott	IN						
Shelby	IN						
Spencer	IN						
St. Joseph	IN						
Starke	IN						
Steuben	IN						
Sullivan	IN						
Switzerland	IN						
Tippecanoe	IN						
Tipton	IN						
Union	IN						
Vanderburgh	IN						
Vermillion	IN						
Vigo	IN					4	
Wabash	IN						
Warren	IN						
Warrick	IN						
Washington	IN						
Wayne	IN						
Wells	IN						
White	IN						
Whitley	IN						
Allen	KS						
Anderson	KS						
Atchison	KS						
Barber	KS	4	4		4		
Barton	KS	1	4				
Bourbon	KS						
Brown	KS						
Butler	KS						
Chase	KS				4		
Chautauqua	KS			2	4		
Cherokee	KS						
Cheyenne	KS	4	4	4	4	4	
Clark	KS	4	4	4	4	4	
Clay	KS					4	
Cloud	KS					4	
Coffey	KS						
Comanche	KS	4	4	4	4	4	
Cowley	KS						
Crawford	KS						
Decatur	KS	4	4	4	4	4	
Dickinson	KS						
Doniphan	KS						
Douglas	KS						
Edwards	KS	4	4	4			

County	State	A Group	B Group	C Group	D Group	G Group	
Elk	KS	2		4	4		
Ellis	KS	4	4			4	
Ellsworth	KS						
Finney	KS		4	4	4	4	
Ford	KS	4	4	4	4	4	
Franklin	KS						
Geary	KS						
Gove	KS	4	4	4	4	4	
Graham	KS	4	4			4	
Grant	KS		4	4	4	4	
Gray	KS		4	4	4	4	
Greeley	KS	4	4	4	4	4	
Greenwood	KS	2	4	4	4		
Hamilton	KS	4	4	4	4	4	
Harper	KS	4	4		4		
Harvey	KS						
Haskell	KS		4	4	4	4	
Hodgeman	KS		4	4	4	4	
Jackson	KS						
Jefferson	KS						
Jewell	KS					4	
Johnson	KS						
Kearny	KS		4	4	4	4	
Kingman	KS	2					
Kiowa	KS	4	4	4	4	4	
Labette	KS						
Lane	KS		4	4	4	4	
Leavenworth	KS						
Lincoln	KS					4	
Linn	KS						
Logan	KS	4	4	4	4	4	
Lyon	KS						
Marion	KS						
Marshall	KS					4	
McPherson	KS	1					
Meade	KS		4	4	4	4	
Miami	KS						
Mitchell	KS					4	
Montgomery	KS						
Morris	KS						
Morton	KS	4	4	4	4	4	
Nemaha	KS						
Neosho	KS						
Ness	KS	4	4			4	
Norton	KS	4	4	4	4	4	
Osage	KS						

County	State	A Group	B Group	C Group	D Group	G Group	
Osborne	KS					4	
Ottawa	KS						
Pawnee	KS	4	4	4			
Phillips	KS	4	4	4	4	4	
Pottawatomie	KS						
Pratt	KS	4	4		4		
Rawlins	KS	4	4	4	4	4	
Reno	KS	1					
Republic	KS					4	
Rice	KS	1					
Riley	KS						
Rooks	KS					4	
Rush	KS	4	4				
Russell	KS						
Saline	KS	1					
Scott	KS		4	4	4	4	
Sedgwick	KS						
Seward	KS	4	4	4	4	4	
Shawnee	KS						
Sheridan	KS	4	4	4	4	4	
Sherman	KS	4	4	4	4	4	
Smith	KS					4	
Stafford	KS	1					
Stanton	KS	4	4	4	4	4	
Stevens	KS	4	4	4	4	4	
Sumner	KS						
Thomas	KS	4	4	4	4	4	
Trego	KS	4	4			4	
Wabaunsee	KS						
Wallace	KS	4	4	4	4	4	
Washington	KS					4	
Wichita	KS		4	4	4	4	
Wilson	KS						
Woodson	KS						
Wyandotte	KS						
Adair	KY	4	4	4	4	4	
Allen	KY	4	4			4	
Anderson	KY				4		
Ballard	KY						
Barren	KY	4	4			4	
Bath	KY				4		
Bell	KY						
Boone	KY						
Bourbon	KY				4		
Boyd	KY	4	4	4	4	4	
Boyle	KY				4		

County	State	A Group	B Group	C Group	D Group	G Group	
Bracken	KY			4			
Breathitt	KY	4	4	4	4	4	
Breckinridge	KY						
Bullitt	KY						
Butler	KY	4	4			4	
Caldwell	KY			4		4	
Calloway	KY						
Campbell	KY						
Carlisle	KY						
Carroll	KY	4	4		4		
Carter	KY	4		4		4	
Casey	KY						
Christian	KY						
Clark	KY				4		
Clay	KY						
Clinton	KY						
Crittenden	KY			4		4	
Cumberland	KY	4	4	4	4	4	
Daviess	KY						
Edmonson	KY	4	4			4	
Elliott	KY	4	4	4	4	4	
Estill	KY				4		
Fayette	KY				4		
Fleming	KY	4		4		4	
Floyd	KY	4	4	4	4	4	
Franklin	KY				4		
Fulton	KY						
Gallatin	KY						
Garrard	KY				4		
Grant	KY						
Graves	KY			4		4	
Grayson	KY	4	4			4	
Green	KY	4	4	4	4	4	
Greenup	KY	4		4		4	
Hancock	KY						
Hardin	KY						
Harlan	KY	4	4	4	4	4	
Harrison	KY				4		
Hart	KY	4	4			4	
Henderson	KY						
Henry	KY						
Hickman	KY						
Hopkins	KY						
Jackson	KY				4		
Jefferson	KY						
Jessamine	KY				4		

County	State	A Group	B Group	C Group	D Group	G Group	
Johnson	KY	4	4	4	4	4	
Kenton	KY						
Knott	KY	4	4	4	4	4	
Knox	KY						
Larue	KY						
Laurel	KY						
Lawrence	KY	4	4	4	4	4	
Lee	KY	4	4	4	4	4	
Leslie	KY	4	4	4	4	4	
Letcher	KY	4	4	4	4	4	
Lewis	KY	4		4		4	
Lincoln	KY						
Livingston	KY			4		4	
Logan	KY						
Lyon	KY			4		4	
Madison	KY				4		
Magoffin	KY	4	4	4	4	4	
Marion	KY	4	4	4	4	4	
Marshall	KY			4		4	
Martin	KY	4	4	4	4	4	
Mason	KY	4		4		4	
McCracken	KY			4		4	
McCreary	KY						
McLean	KY						
Meade	KY						
Menifee	KY	4	4	4	4	4	
Mercer	KY				4		
Metcalfe	KY	4	4	4	4	4	
Monroe	KY	4	4	4	4	4	
Montgomery	KY				4		
Morgan	KY	4	4	4	4	4	
Muhlenberg	KY	4	4			4	
Nelson	KY						
Nicholas	KY				4		
Ohio	KY						
Oldham	KY						
Owen	KY				4		
Owsley	KY	4	4	4	4	4	
Pendleton	KY			4			
Perry	KY	4	4	4	4	4	
Pike	KY	4	4	4	4	4	
Powell	KY				4		
Pulaski	KY						
Robertson	KY	4	4	4	4	4	
Rockcastle	KY						
Rowan	KY	4	4	4	4	4	

County	State	A Group	B Group	C Group	D Group	G Group	
Russell	KY						
Scott	KY				4		
Shelby	KY						
Simpson	KY	4	4			4	
Spencer	KY						
Taylor	KY	4	4	4	4	4	
Todd	KY						
Trigg	KY						
Trimble	KY	4					
Union	KY						
Warren	KY	4	4			4	
Washington	KY				4		
Wayne	KY						
Webster	KY						
Whitley	KY						
Wolfe	KY	4	4	4	4	4	
Woodford	KY				4		
Acadia	LA			4			
Allen	LA						
Ascension	LA						
Assumption	LA						
Avoyelles	LA						
Beauregard	LA						
Bienville	LA			4			
Bossier	LA						
Caddo	LA						
Calcasieu	LA						
Caldwell	LA			4			
Cameron	LA						
Catahoula	LA						
Claiborne	LA						
Concordia	LA						
De Soto	LA						
East Baton Rouge	LA	4	4	4	4	4	
East Carroll	LA	4		4		4	
East Feliciana	LA						
Evangeline	LA	4					
Franklin	LA			4			
Grant	LA			4		4	
Iberia	LA						
Iberville	LA						
Jackson	LA			4	4	4	
Jefferson	LA						
Jefferson Davis	LA						
La Salle	LA						
Lafayette	LA			4		4	

County	State	A Group	B Group	C Group	D Group	G Group	
Lafourche	LA						
Lincoln	LA						
Livingston	LA						
Madison	LA						
Morehouse	LA	4		4		4	
Natchitoches	LA			4			
Orleans	LA						
Ouachita	LA			4		4	
Plaquemines	LA						
Pointe Coupee	LA						
Rapides	LA						
Red River	LA			4			
Richland	LA	4		4		4	
Sabine	LA			4			
St. Bernard	LA						
St. Charles	LA						
St. Helena	LA						
St. James	LA						
St. John the Baptist	LA						
St. Landry	LA						
St. Martin	LA						
St. Mary	LA						
St. Tammany	LA						
Tangipahoa	LA						
Tensas	LA			4			
Terrebonne	LA						
Union	LA						
Vermilion	LA						
Vernon	LA			4			
Washington	LA						
Webster	LA						
West Baton Rouge	LA	4	4	4	4	4	
West Carroll	LA	4		4		4	
West Feliciana	LA	4					
Winn	LA			4		4	
Barnstable	MA						
Berkshire	MA						
Bristol	MA						
Dukes	MA						
Essex	MA						
Franklin	MA						
Hampden	MA						
Hampshire	MA						
Middlesex	MA						
Nantucket	MA	4	4	4		4	
Norfolk	MA						

County	State	A Group	B Group	C Group	D Group	G Group	
Plymouth	MA						
Suffolk	MA						
Worcester	MA						
Allegany	MD				4	2	
Anne Arundel	MD						
Baltimore	MD						
Baltimore City	MD						
Calvert	MD						
Caroline	MD					4	
Carroll	MD						
Cecil	MD						
Charles	MD						
Dorchester	MD					4	
Frederick	MD						
Garrett	MD			4	4	4	
Harford	MD						
Howard	MD						
Kent	MD						
Montgomery	MD						
Prince George's	MD						
Queen Anne's	MD						
Somerset	MD					4	
St. Mary's	MD						
Talbot	MD					4	
Washington	MD					2	
Wicomico	MD					4	
Worcester	MD					4	
Androscoggin	ME						
Aroostook	ME						
Cumberland	ME						
Franklin	ME						
Hancock	ME						
Kennebec	ME						
Knox	ME						
Lincoln	ME						
Oxford	ME						
Penobscot	ME						
Piscataquis	ME						
Sagadahoc	ME						
Somerset	ME						
Waldo	ME						
Washington	ME						
York	ME	4					
Alcona	MI	4	4	4	4	4	
Alger	MI						
Allegan	MI						

County	State	A Group	B Group	C Group	D Group	G Group	
Alpena	MI	4	4	4	4	4	
Antrim	MI		4		4	4	
Arenac	MI						
Baraga	MI						
Barry	MI						
Bay	MI						
Benzie	MI	4	4	4	4	4	
Berrien	MI						
Branch	MI	4	4				
Calhoun	MI						
Cass	MI						
Charlevoix	MI		4		4	4	
Cheboygan	MI		4		4	4	
Chippewa	MI	1	4	4	4	4	
Clare	MI	4	4	4	4		
Clinton	MI						
Crawford	MI	4	4		4	4	
Delta	MI						
Dickinson	MI					1	
Eaton	MI						
Emmet	MI		4		4	4	
Genesee	MI						
Gladwin	MI						
Gogebic	MI	4	4	4	4	4	
Grand Traverse	MI	3	4		4	4	
Gratiot	MI						
Hillsdale	MI	4	4				
Houghton	MI				4		
Huron	MI						
Ingham	MI						
Ionia	MI						
Iosco	MI					4	
Iron	MI					1	
Isabella	MI	4	4	4	4		
Jackson	MI						
Kalamazoo	MI						
Kalkaska	MI	3	4		4	4	
Kent	MI						
Keweenaw	MI				4		
Lake	MI	4	4	4	4		
Lapeer	MI						
Leelanau	MI	3	4		4	4	
Lenawee	MI						
Livingston	MI						
Luce	MI	4	4	4	4	4	
Mackinac	MI	1	4		4	4	

County	State	A Group	B Group	C Group	D Group	G Group	
Macomb	MI						
Manistee	MI	4	4	4	4	4	
Marquette	MI						
Mason	MI	4	2	4	4		
Mecosta	MI		4		4		
Menominee	MI	4	4	4	4	4	
Midland	MI						
Missaukee	MI	4	4	4	4	4	
Monroe	MI						
Montcalm	MI						
Montmorency	MI	1	4		4	4	
Muskegon	MI		4		4		
Newaygo	MI		4		4		
Oakland	MI						
Oceana	MI		2		4		
Ogemaw	MI	4	4	4	4	4	
Ontonagon	MI				4		
Osceola	MI	4	4	4	4		
Oscoda	MI	4	4	4	4	4	
Otsego	MI		4		4	4	
Ottawa	MI						
Presque Isle	MI	1	4		4	4	
Roscommon	MI	4	4	4	4	4	
Saginaw	MI						
Sanilac	MI						
Schoolcraft	MI	3	4	4	4	4	
Shiawassee	MI						
St. Clair	MI						
St. Joseph	MI						
Tuscola	MI						
Van Buren	MI						
Washtenaw	MI						
Wayne	MI						
Wexford	MI	4	4	4	4	4	
Aitkin	MN	4	4	4	4	4	
Anoka	MN						
Becker	MN		4				
Beltrami	MN	4	4	4	4	4	
Benton	MN			4			
Big Stone	MN	4					
Blue Earth	MN						
Brown	MN						
Carlton	MN	4	4	3	4		
Carver	MN						
Cass	MN						
Chippewa	MN	4	4		4		

County	State	A Group	B Group	C Group	D Group	G Group	
Chisago	MN						
Clay	MN						
Clearwater	MN	4	4	4	4	4	
Cook	MN	4	4	4	4	4	
Cottonwood	MN						
Crow Wing	MN						
Dakota	MN						
Dodge	MN	4			4		
Douglas	MN						
Faribault	MN						
Fillmore	MN				3	4	
Freeborn	MN						
Goodhue	MN						
Grant	MN	3	4	4	4	4	
Hennepin	MN						
Houston	MN				3	4	
Hubbard	MN	3	4	4	4	4	
Isanti	MN						
Itasca	MN	4	4	4	4	4	
Jackson	MN						
Kanabec	MN	4		4	4	4	
Kandiyohi	MN			4			
Kittson	MN	4	4	4	4	4	
Koochiching	MN	4	4	4	4	4	
Lac qui Parle	MN	4					
Lake	MN	4	4	3	4		
Lake of the Woods	MN	4	4	4	4	4	
Le Sueur	MN						
Lincoln	MN						
Lyon	MN					4	
Mahnomen	MN		4				
Marshall	MN	4	4	4	4	4	
Martin	MN						
McLeod	MN		4	4	4		
Meeker	MN			4			
Mille Lacs	MN	4		4	4		
Morrison	MN						
Mower	MN	4			4	4	
Murray	MN						
Nicollet	MN						
Nobles	MN						
Norman	MN						
Olmsted	MN	4			4		
Otter Tail	MN						
Pennington	MN	4	4	4	4	4	
Pine	MN	4	4	3	4		

County	State	A Group	B Group	C Group	D Group	G Group	
Pipestone	MN						
Polk	MN	4	4	4	4	4	
Pope	MN						
Ramsey	MN						
Red Lake	MN	4	4	4	4	4	
Redwood	MN					4	
Renville	MN		4		4		
Rice	MN						
Rock	MN						
Roseau	MN	4	4	4	4	4	
Scott	MN						
Sherburne	MN						
Sibley	MN						
St. Louis	MN	4	4	3	4		
Stearns	MN						
Steele	MN						
Stevens	MN	3	4		4	4	
Swift	MN	3	4		4		
Todd	MN						
Traverse	MN	4				4	
Wabasha	MN	4			4		
Wadena	MN	1				4	
Waseca	MN						
Washington	MN						
Watonwan	MN						
Wilkin	MN		4				
Winona	MN				3	4	
Wright	MN						
Yellow Medicine	MN	4					
Adair	MO						
Andrew	MO						
Atchison	MO	4	4	4	4	4	
Audrain	MO						
Barry	MO						
Barton	MO						
Bates	MO					4	
Benton	MO						
Bollinger	MO						
Boone	MO						
Buchanan	MO						
Butler	MO						
Caldwell	MO						
Callaway	MO						
Camden	MO	4	4	4	4	4	
Cape Girardeau	MO						
Carroll	MO						

County	State	A Group	B Group	C Group	D Group	G Group	
Carter	MO	4	4	4	4	4	
Cass	MO						
Cedar	MO		4			4	
Chariton	MO	4	4	2			
Christian	MO						
Clark	MO						
Clay	MO						
Clinton	MO						
Cole	MO	4	4	2			
Cooper	MO						
Crawford	MO	4	4	4	4	4	
Dade	MO						
Dallas	MO						
Daviess	MO						
DeKalb	MO						
Dent	MO	4	4	4	4	4	
Douglas	MO						
Dunklin	MO						
Franklin	MO						
Gasconade	MO						
Gentry	MO						
Greene	MO						
Grundy	MO						
Harrison	MO						
Henry	MO						
Hickory	MO	4	4	4	4	4	
Holt	MO						
Howard	MO						
Howell	MO	4	4	4	4	4	
Iron	MO	4	4	4	4	4	
Jackson	MO						
Jasper	MO						
Jefferson	MO						
Johnson	MO						
Knox	MO				1		
Laclede	MO						
Lafayette	MO						
Lawrence	MO						
Lewis	MO						
Lincoln	MO						
Linn	MO						
Livingston	MO						
Macon	MO						
Madison	MO	4	4	4	4	4	
Maries	MO	4	4	4	4	4	
Marion	MO						

County	State	A Group	B Group	C Group	D Group	G Group	
McDonald	MO						
Mercer	MO	4	4	4			
Miller	MO	4	4	4			
Mississippi	MO						
Moniteau	MO	4	4	2			
Monroe	MO						
Montgomery	MO						
Morgan	MO						
New Madrid	MO						
Newton	MO						
Nodaway	MO						
Oregon	MO	4	4	4	4	4	
Osage	MO						
Ozark	MO	4	4	4	4		
Pemiscot	MO						
Perry	MO	4	4	4	4	4	
Pettis	MO						
Phelps	MO	4	4	4	4	4	
Pike	MO						
Platte	MO						
Polk	MO						
Pulaski	MO	4	4	4	4	4	
Putnam	MO						
Ralls	MO						
Randolph	MO						
Ray	MO						
Reynolds	MO	4	4	4	4	4	
Ripley	MO						
Saline	MO						
Schuyler	MO						
Scotland	MO						
Scott	MO						
Shannon	MO	4	4	4	4	4	
Shelby	MO				1		
St. Charles	MO						
St. Clair	MO	4	4	4		4	
St. Francois	MO						
St. Louis	MO						
St. Louis City	MO						
Ste. Genevieve	MO						
Stoddard	MO						
Stone	MO						
Sullivan	MO						
Taney	MO						
Texas	MO	4	4	4	4	4	
Vernon	MO	4	4			4	

County	State	A Group	B Group	C Group	D Group	G Group	
Warren	MO						
Washington	MO						
Wayne	MO	4	4	4	4	4	
Webster	MO						
Worth	MO	4	4	4	4	4	
Wright	MO						
Northern Islands	MP	4	4	4	4	4	
Rota	MP	4	4	4	4	4	
Saipan	MP	4	4	4	4	4	
Tinian	MP	4	4	4	4	4	
Adams	MS						
Alcorn	MS						
Amite	MS						
Attala	MS						
Benton	MS						
Bolivar	MS						
Calhoun	MS						
Carroll	MS						
Chickasaw	MS						
Choctaw	MS						
Claiborne	MS						
Clarke	MS						
Clay	MS						
Coahoma	MS	4	4	4	4	4	
Copiah	MS						
Covington	MS						
DeSoto	MS						
Forrest	MS						
Franklin	MS						
George	MS						
Greene	MS						
Grenada	MS						
Hancock	MS						
Harrison	MS						
Hinds	MS						
Holmes	MS						
Humphreys	MS						
Issaquena	MS						
Itawamba	MS						
Jackson	MS						
Jasper	MS						
Jefferson	MS						
Jefferson Davis	MS						
Jones	MS						
Kemper	MS						
Lafayette	MS						

County	State	A Group	B Group	C Group	D Group	G Group	
Lamar	MS						
Lauderdale	MS						
Lawrence	MS						
Leake	MS						
Lee	MS						
Leflore	MS						
Lincoln	MS						
Lowndes	MS						
Madison	MS						
Marion	MS						
Marshall	MS						
Monroe	MS						
Montgomery	MS						
Neshoba	MS						
Newton	MS						
Noxubee	MS						
Oktibbeha	MS						
Panola	MS						
Pearl River	MS						
Perry	MS						
Pike	MS						
Pontotoc	MS						
Prentiss	MS						
Quitman	MS						
Rankin	MS						
Scott	MS						
Sharkey	MS						
Simpson	MS						
Smith	MS						
Stone	MS						
Sunflower	MS						
Tallahatchie	MS						
Tate	MS						
Tippah	MS						
Tishomingo	MS						
Tunica	MS						
Union	MS						
Walthall	MS						
Warren	MS						
Washington	MS						
Wayne	MS						
Webster	MS						
Wilkinson	MS						
Winston	MS						
Yalobusha	MS						
Yazoo	MS						

County	State	A Group	B Group	C Group	D Group	G Group	
Beaverhead	MT	4	4	4	4	4	
Big Horn	MT						
Blaine	MT	4	4	4	4	4	
Broadwater	MT		4			4	
Carbon	MT					4	
Carter	MT	4	4	4	4	4	
Cascade	MT			4			
Chouteau	MT			4			
Custer	MT	4	4	4	4	4	
Daniels	MT	4	4	4	4	4	
Dawson	MT	4	4	4	4	4	
Deer Lodge	MT	4	4	4	4	4	
Fallon	MT	4	4	4	4	4	
Fergus	MT	4	4	4	4	4	
Flathead	MT	4	4	4	4	4	
Gallatin	MT		4			4	
Garfield	MT	4	4	4	4	4	
Glacier	MT	4	4	4	4	4	
Golden Valley	MT					4	
Granite	MT			4			
Hill	MT	4	4	4	4	4	
Jefferson	MT	4	4	4	4	4	
Judith Basin	MT			4			
Lake	MT			4			
Lewis and Clark	MT	4	4	4	4	4	
Liberty	MT	4	4	4	4	4	
Lincoln	MT	4	4	4	4	4	
Madison	MT		4			4	
McCone	MT	4	4	4	4	4	
Meagher	MT			4			
Mineral	MT			4			
Missoula	MT			4			
Musselshell	MT					4	
Park	MT		4			4	
Petroleum	MT	4	4	4	4	4	
Phillips	MT	4	4	4	4	4	
Pondera	MT			4			
Powder River	MT	4	4	4	4	4	
Powell	MT			4			
Prairie	MT	4	4	4	4	4	
Ravalli	MT			4			
Richland	MT	4	4	4			
Roosevelt	MT	4	4	4			
Rosebud	MT	4	4	4	4	4	
Sanders	MT			4			
Sheridan	MT	4	4	4			

County	State	A Group	B Group	C Group	D Group	G Group	
Silver Bow	MT	4	4	4	4	4	
Stillwater	MT					4	
Sweet Grass	MT		4			4	
Teton	MT			4			
Toole	MT	4	4	4	4	4	
Treasure	MT	4	4	4	4	4	
Valley	MT	4	4	4	4	4	
Wheatland	MT	4	4	4	4	4	
Wibaux	MT	4	4	4	4	4	
Yellowstone	MT					4	
Alamance	NC						
Alexander	NC						
Alleghany	NC	4	4	4	4	4	
Anson	NC						
Ashe	NC		4	4		4	
Avery	NC						
Beaufort	NC						
Bertie	NC						
Bladen	NC						
Brunswick	NC						
Buncombe	NC						
Burke	NC						
Cabarrus	NC						
Caldwell	NC						
Camden	NC						
Carteret	NC					4	
Caswell	NC						
Catawba	NC						
Chatham	NC						
Cherokee	NC	4	4	4	4	4	
Chowan	NC						
Clay	NC	4	4	4	4	4	
Cleveland	NC						
Columbus	NC						
Craven	NC						
Cumberland	NC						
Currituck	NC						
Dare	NC		4		4	4	
Davidson	NC						
Davie	NC						
Duplin	NC					4	
Durham	NC						
Edgecombe	NC						
Forsyth	NC						
Franklin	NC						
Gaston	NC						

County	State	A Group	B Group	C Group	D Group	G Group	
Gates	NC						
Graham	NC	4	4	4	4	4	
Granville	NC						
Greene	NC						
Guilford	NC						
Halifax	NC						
Harnett	NC						
Haywood	NC						
Henderson	NC						
Hertford	NC						
Hoke	NC						
Hyde	NC		4		4	4	
Iredell	NC						
Jackson	NC						
Johnston	NC						
Jones	NC						
Lee	NC						
Lenoir	NC						
Lincoln	NC						
Macon	NC	4	4	4	4	4	
Madison	NC						
Martin	NC						
McDowell	NC						
Mecklenburg	NC						
Mitchell	NC						
Montgomery	NC						
Moore	NC						
Nash	NC						
New Hanover	NC						
Northampton	NC						
Onslow	NC					4	
Orange	NC						
Pamlico	NC						
Pasquotank	NC						
Pender	NC						
Perquimans	NC						
Person	NC						
Pitt	NC						
Polk	NC						
Randolph	NC						
Richmond	NC						
Robeson	NC						
Rockingham	NC						
Rowan	NC						
Rutherford	NC						
Sampson	NC						

County	State	A Group	B Group	C Group	D Group	G Group	
Scotland	NC						
Stanly	NC						
Stokes	NC						
Surry	NC	4			1	4	
Swain	NC						
Transylvania	NC						
Tyrrell	NC		4		4	4	
Union	NC						
Vance	NC						
Wake	NC						
Warren	NC						
Washington	NC						
Watauga	NC						
Wayne	NC						
Wilkes	NC						
Wilson	NC						
Yadkin	NC						
Yancey	NC						
Adams	ND	4	4	4	4	4	
Barnes	ND						
Benson	ND	4			4	4	
Billings	ND	4	4	4	4	4	
Bottineau	ND	4	4	4	4	4	
Bowman	ND	4	4	4	4	4	
Burke	ND	4	4	4			
Burleigh	ND		4		4	4	
Cass	ND						
Cavalier	ND	4					
Dickey	ND						
Divide	ND	4	4	4			
Dunn	ND	4	4	4	4	4	
Eddy	ND	4	4	4	4	4	
Emmons	ND		4		4	4	
Foster	ND	4	3	4	4	4	
Golden Valley	ND	4	4	4	4	4	
Grand Forks	ND	4	4	4	4	4	
Grant	ND	4	4	4	4	4	
Griggs	ND	4	3	4	4	4	
Hettinger	ND	4	4	4	4	4	
Kidder	ND		4		4	4	
LaMoure	ND	4	3	4	4	4	
Logan	ND	4	3	4	4	4	
McHenry	ND	4	4	4	4	4	
McIntosh	ND	4	4	4	4	4	
McKenzie	ND	4	4	4			
McLean	ND		4		4	4	

County	State	A Group	B Group	C Group	D Group	G Group	
Mercer	ND		4		4	4	
Morton	ND		4		4	4	
Mountrail	ND	4	4	4			
Nelson	ND	4	4	4	4	4	
Oliver	ND		4		4	4	
Pembina	ND	4	4	4			
Pierce	ND	4			4	4	
Ramsey	ND	4					
Ransom	ND			4			
Renville	ND	4	4	4			
Richland	ND						
Rolette	ND	4			4	4	
Sargent	ND	4				4	
Sheridan	ND		4		4	4	
Sioux	ND	4	4	4	4	4	
Slope	ND	4	4	4	4	4	
Stark	ND	4	4	4	4	4	
Steele	ND						
Stutsman	ND	4	3	4	4	4	
Towner	ND	4			4	4	
Traill	ND						
Walsh	ND	4	4	4			
Ward	ND	4	4	4			
Wells	ND	4	4	4	4	4	
Williams	ND	4	4	4			
Adams	NE						
Antelope	NE	4	4	4	4	4	
Arthur	NE	4	4	4	4	4	
Banner	NE	4			4	4	
Blaine	NE	4	4	4	4	4	
Boone	NE	4					
Box Butte	NE	4			4	4	
Boyd	NE	4	4	4	4	4	
Brown	NE	4	4	4	4	4	
Buffalo	NE						
Burt	NE	4	4		4		
Butler	NE						
Cass	NE						
Cedar	NE						
Chase	NE	4	4	4	4	4	
Cherry	NE	4	4	4	4	4	
Cheyenne	NE	4			4	4	
Clay	NE						
Colfax	NE	4					
Cuming	NE	4	4	4	4		
Custer	NE						

County	State	A Group	B Group	C Group	D Group	G Group	
Dakota	NE		4	4	4		
Dawes	NE	4	4	4	4	4	
Dawson	NE						
Deuel	NE	4			4	4	
Dixon	NE		4	4	4		
Dodge	NE				4		
Douglas	NE				4		
Dundy	NE	4	4	4	4	4	
Fillmore	NE						
Franklin	NE						
Frontier	NE						
Furnas	NE						
Gage	NE						
Garden	NE	4	4	4	4	4	
Garfield	NE	4	4	4	4	4	
Gosper	NE						
Grant	NE	4	4	4	4	4	
Greeley	NE	4	4	4	4	4	
Hall	NE						
Hamilton	NE						
Harlan	NE						
Hayes	NE	4	4	4	4	4	
Hitchcock	NE	4	4	4	4	4	
Holt	NE	4	4	4	4	4	
Hooker	NE	4	4	4	4	4	
Howard	NE						
Jefferson	NE						
Johnson	NE		4				
Kearney	NE						
Keith	NE	4	4	4	4	4	
Keya Paha	NE	4	4	4	4	4	
Kimball	NE	4			4	4	
Knox	NE	4				4	
Lancaster	NE						
Lincoln	NE	4	4	4	4	4	
Logan	NE	4	4	4	4	4	
Loup	NE	4	4	4	4	4	
Madison	NE	4					
McPherson	NE	4	4	4	4	4	
Merrick	NE						
Morrill	NE	4			4	4	
Nance	NE	4					
Nemaha	NE	1	4				
Nuckolls	NE						
Otoe	NE						
Pawnee	NE	1	4				

County	State	A Group	B Group	C Group	D Group	G Group	
Perkins	NE	4	4	4	4	4	
Phelps	NE						
Pierce	NE	4	4	4	4	4	
Platte	NE	4					
Polk	NE	4					
Red Willow	NE	4	4	4	4	4	
Richardson	NE						
Rock	NE	4	4	4	4	4	
Saline	NE						
Sarpy	NE						
Saunders	NE						
Scotts Bluff	NE	4			4	4	
Seward	NE						
Sheridan	NE	4	4	4	4	4	
Sherman	NE						
Sioux	NE	4			4	4	
Stanton	NE	4	4	4	4	4	
Thayer	NE	4	4	4	4	4	
Thomas	NE	4	4	4	4	4	
Thurston	NE		4	4	4		
Valley	NE	4	4	4	4	4	
Washington	NE				4		
Wayne	NE		4	4	4		
Webster	NE						
Wheeler	NE	4	4	4	4	4	
York	NE						
Belknap	NH		4	4			
Carroll	NH			4			
Cheshire	NH						
Coos	NH			4			
Grafton	NH						
Hillsborough	NH						
Merrimack	NH						
Rockingham	NH						
Strafford	NH			4			
Sullivan	NH						
Atlantic	NJ						
Bergen	NJ						
Burlington	NJ						
Camden	NJ						
Cape May	NJ					4	
Cumberland	NJ						
Essex	NJ						
Gloucester	NJ						
Hudson	NJ						
Hunterdon	NJ						

County	State	A Group	B Group	C Group	D Group	G Group	
Mercer	NJ						
Middlesex	NJ						
Monmouth	NJ						
Morris	NJ						
Ocean	NJ						
Passaic	NJ						
Salem	NJ						
Somerset	NJ						
Sussex	NJ		4	4			
Union	NJ						
Warren	NJ	4	4				
Bernalillo	NM						
Catron	NM	4	4	4	4	4	
Chaves	NM						
Cibola	NM	4	4	4	4	4	
Colfax	NM	4	4	4	4	4	
Curry	NM						
DeBaca	NM		4		4	4	
Dona Ana	NM						
Eddy	NM						
Grant	NM	4	4	4	4	4	
Guadalupe	NM						
Harding	NM						
Hidalgo	NM	4	4	4	4	4	
Lea	NM						
Lincoln	NM						
Los Alamos	NM					4	
Luna	NM	4	4	4	4	4	
McKinley	NM	4	4	4	4	4	
Mora	NM					4	
Otero	NM						
Quay	NM						
Rio Arriba	NM					4	
Roosevelt	NM						
San Juan	NM	4		4		4	
San Miguel	NM						
Sandoval	NM						
Santa Fe	NM						
Sierra	NM		4	4	4	4	
Socorro	NM		4	4	4	4	
Taos	NM					4	
Torrance	NM						
Union	NM	4	4	4	4	4	
Valencia	NM						
Carson City	NV						
Churchill	NV		1				

County	State	A Group	B Group	C Group	D Group	G Group	
Clark	NV						
Douglas	NV						
Elko	NV	4	4	4	4	4	
Esmeralda	NV	4	4	4	4	4	
Eureka	NV	4	4	4	4	4	
Humboldt	NV	4	4	4	4	4	
Lander	NV	4	4	4	4	4	
Lincoln	NV						
Lyon	NV						
Mineral	NV	4	4	4	4	4	
Nye	NV	4	4		4	4	
Pershing	NV	4	4	4	4	4	
Storey	NV						
Washoe	NV						
White Pine	NV	4	4	4	4	4	
Albany	NY						
Allegany	NY	4	4	4	4	4	
Bronx	NY						
Broome	NY						
Cattaraugus	NY						
Cayuga	NY						
Chautauqua	NY						
Chemung	NY						
Chenango	NY						
Clinton	NY						
Columbia	NY						
Cortland	NY						
Delaware	NY						
Dutchess	NY						
Erie	NY						
Essex	NY						
Franklin	NY	4		4		2	
Fulton	NY						
Genesee	NY						
Greene	NY						
Hamilton	NY					3	
Herkimer	NY					2	
Jefferson	NY		4	4	4	1	
Kings	NY						
Lewis	NY					1	
Livingston	NY						
Madison	NY						
Monroe	NY						
Montgomery	NY						
Nassau	NY						
New York	NY						

County	State	A Group	B Group	C Group	D Group	G Group	
Niagara	NY						
Oneida	NY						
Onondaga	NY						
Ontario	NY						
Orange	NY						
Orleans	NY						
Oswego	NY						
Otsego	NY						
Putnam	NY						
Queens	NY						
Rensselaer	NY						
Richmond	NY						
Rockland	NY						
Saratoga	NY						
Schenectady	NY						
Schoharie	NY						
Schuyler	NY						
Seneca	NY						
St. Lawrence	NY		4	4	4	1	
Steuben	NY						
Suffolk	NY						
Sullivan	NY				2	4	
Tioga	NY						
Tompkins	NY						
Ulster	NY						
Warren	NY					4	
Washington	NY						
Wayne	NY						
Westchester	NY						
Wyoming	NY						
Yates	NY						
Adams	OH	4		4		4	
Allen	OH						
Ashland	OH						
Ashtabula	OH						
Athens	OH	4		4	4	4	
Auglaize	OH						
Belmont	OH			4	4	4	
Brown	OH			4			
Butler	OH						
Carroll	OH						
Champaign	OH						
Clark	OH						
Clermont	OH						
Clinton	OH						
Columbiana	OH						

County	State	A Group	B Group	C Group	D Group	G Group	
Coshocton	OH	4	4	4	4	4	
Crawford	OH						
Cuyahoga	OH						
Darke	OH						
Defiance	OH						
Delaware	OH						
Erie	OH						
Fairfield	OH						
Fayette	OH						
Franklin	OH						
Fulton	OH						
Gallia	OH	4		4	4	4	
Geauga	OH						
Greene	OH						
Guernsey	OH			4	4	4	
Hamilton	OH						
Hancock	OH						
Hardin	OH						
Harrison	OH			4	4	4	
Henry	OH						
Highland	OH	4		4		4	
Hocking	OH						
Holmes	OH	4					
Huron	OH						
Jackson	OH	4		4		4	
Jefferson	OH						
Knox	OH						
Lake	OH						
Lawrence	OH	4		4		4	
Licking	OH						
Logan	OH						
Lorain	OH						
Lucas	OH						
Madison	OH						
Mahoning	OH						
Marion	OH						
Medina	OH						
Meigs	OH	4		4	4	4	
Mercer	OH						
Miami	OH						
Monroe	OH			4	4	4	
Montgomery	OH						
Morgan	OH	4		4	4	4	
Morrow	OH						
Muskingum	OH	4		4	4	4	
Noble	OH			4	4	4	

County	State	A Group	B Group	C Group	D Group	G Group	
Ottawa	OH						
Paulding	OH						
Perry	OH						
Pickaway	OH						
Pike	OH	4		4		4	
Portage	OH						
Preble	OH						
Putnam	OH						
Richland	OH						
Ross	OH						
Sandusky	OH						
Scioto	OH	4		4		4	
Seneca	OH						
Shelby	OH						
Stark	OH						
Summit	OH						
Trumbull	OH						
Tuscarawas	OH						
Union	OH						
Van Wert	OH						
Vinton	OH	4		4		4	
Warren	OH						
Washington	OH			4	4	4	
Wayne	OH						
Williams	OH						
Wood	OH						
Wyandot	OH						
Adair	OK						
Alfalfa	OK		4		4		
Atoka	OK						
Beaver	OK	4	4	4	4	4	
Beckham	OK				4		
Blaine	OK						
Bryan	OK						
Caddo	OK						
Canadian	OK						
Carter	OK					4	
Cherokee	OK						
Choctaw	OK						
Cimarron	OK	4	4	4	4	4	
Cleveland	OK						
Coal	OK						
Comanche	OK						
Cotton	OK						
Craig	OK						
Creek	OK						

County	State	A Group	B Group	C Group	D Group	G Group	
Custer	OK					4	
Delaware	OK						
Dewey	OK	4					
Ellis	OK	4					
Garfield	OK		4				
Garvin	OK						
Grady	OK						
Grant	OK		4		4		
Greer	OK				4		
Harmon	OK				4		
Harper	OK	4					
Haskell	OK					4	
Hughes	OK						
Jackson	OK				4		
Jefferson	OK						
Johnston	OK						
Kay	OK						
Kingfisher	OK						
Kiowa	OK						
Latimer	OK					4	
Le Flore	OK						
Lincoln	OK						
Logan	OK						
Love	OK						
Major	OK						
Marshall	OK						
Mayes	OK						
McClain	OK						
McCurtain	OK						
McIntosh	OK					4	
Murray	OK						
Muskogee	OK						
Noble	OK						
Nowata	OK	4					
Okfuskee	OK						
Oklahoma	OK						
Okmulgee	OK						
Osage	OK						
Ottawa	OK						
Pawnee	OK						
Payne	OK						
Pittsburg	OK					4	
Pontotoc	OK	4					
Pottawatomie	OK						
Pushmataha	OK						
Roger Mills	OK						

County	State	A Group	B Group	C Group	D Group	G Group	
Rogers	OK						
Seminole	OK						
Sequoyah	OK						
Stephens	OK						
Texas	OK	4	4	4	4	4	
Tillman	OK						
Tulsa	OK						
Wagoner	OK						
Washington	OK						
Washita	OK						
Woods	OK						
Woodward	OK	4					
Baker	OR	4	4	4	4		
Benton	OR						
Clackamas	OR						
Clatsop	OR	4	4	4	4	4	
Columbia	OR						
Coos	OR	4	4	4	4	4	
Crook	OR						
Curry	OR	4	4	4	4	4	
Deschutes	OR						
Douglas	OR						
Gilliam	OR	4	4	4	4	4	
Grant	OR	4	4	4	4		
Harney	OR	4	4	4	4	4	
Hood River	OR	4	4	4	4	4	
Jackson	OR						
Jefferson	OR						
Josephine	OR						
Klamath	OR	4	4	4	4	4	
Lake	OR	4	4	4	4	4	
Lane	OR						
Lincoln	OR						
Linn	OR						
Malheur	OR	4	4	4	4	4	
Marion	OR						
Morrow	OR						
Multnomah	OR						
Polk	OR						
Sherman	OR	4	4	4	4	4	
Tillamook	OR						
Umatilla	OR						
Union	OR	4	4	4	4		
Wallowa	OR		4	4			
Wasco	OR						
Washington	OR						

County	State	A Group	B Group	C Group	D Group	G Group	
Wheeler	OR						
Yamhill	OR						
Adams	PA						
Allegheny	PA						
Armstrong	PA						
Beaver	PA						
Bedford	PA	4	4				
Berks	PA						
Blair	PA						
Bradford	PA						
Bucks	PA						
Butler	PA						
Cambria	PA						
Cameron	PA	4	4	4	4	4	
Carbon	PA						
Centre	PA						
Chester	PA						
Clarion	PA	4	4	4	4	4	
Clearfield	PA						
Clinton	PA						
Columbia	PA						
Crawford	PA						
Cumberland	PA						
Dauphin	PA						
Delaware	PA						
Elk	PA	4	4	4	4	4	
Erie	PA						
Fayette	PA						
Forest	PA	4	4	4	4	4	
Franklin	PA						
Fulton	PA	4	4				
Greene	PA						
Huntingdon	PA						
Indiana	PA						
Jefferson	PA	4	4	4	4		
Juniata	PA						
Lackawanna	PA						
Lancaster	PA						
Lawrence	PA						
Lebanon	PA						
Lehigh	PA						
Luzerne	PA						
Lycoming	PA						
McKean	PA	4	4	4	4	4	
Mercer	PA						
Mifflin	PA						

County	State	A Group	B Group	C Group	D Group	G Group	
Monroe	PA						
Montgomery	PA						
Montour	PA	4	4	4		4	
Northampton	PA						
Northumberland	PA					4	
Perry	PA						
Philadelphia	PA						
Pike	PA						
Potter	PA	4	4	4	4	4	
Schuylkill	PA						
Snyder	PA						
Somerset	PA	4	4	4	4		
Sullivan	PA						
Susquehanna	PA						
Tioga	PA	4		4		4	
Union	PA						
Venango	PA						
Warren	PA						
Washington	PA						
Wayne	PA						
Westmoreland	PA						
Wyoming	PA						
York	PA						
Adjuntas	PR						
Aguada	PR	4					
Aguadilla	PR	4					
Aguas Buenas	PR						
Aibonito	PR						
Anasco	PR						
Arecibo	PR						
Arroyo	PR						
Barceloneta	PR						
Barranquitas	PR						
Bayamon	PR						
Cabo Rojo	PR						
Caguas	PR						
Camuy	PR						
Canovanas	PR						
Carolina	PR						
Catano	PR						
Cayey	PR						
Ceiba	PR						
Ciales	PR						
Cidra	PR						
Coamo	PR						
Comerfo	PR						

County	State	A Group	B Group	C Group	D Group	G Group	
Corozal	PR						
Culebra	PR						
Dorado	PR						
Fajardo	PR						
Florida	PR						
Guanica	PR						
Guayama	PR						
Guayanilla	PR						
Guaynabo	PR						
Gurabo	PR						
Hatillo	PR						
Hormigueros	PR						
Humacao	PR						
Isabela	PR						
Jayuya	PR						
Juana Diaz	PR						
Juncos	PR						
Lajas	PR						
Lares	PR						
Las Marias	PR						
Las Piedras	PR						
Loiza	PR						
Luquillo	PR						
Manati	PR						
Maricao	PR						
Maunabo	PR						
Mayaguez	PR						
Moca	PR						
Morovis	PR						
Naguabo	PR						
Naranjito	PR						
Orocovis	PR						
Patillas	PR						
Penuelas	PR						
Ponce	PR						
Quebradillas	PR						
Rincon	PR	4					
Rio Grande	PR						
Sabana Grande	PR						
Salinas	PR						
San German	PR						
San Juan	PR						
San Lorenzo	PR						
San Sebastian	PR						
Santa Isabel	PR						
Toa Alta	PR						

County	State	A Group	B Group	C Group	D Group	G Group	
Toa Baja	PR						
Trujillo Alto	PR						
Utua	PR						
Vega Alta	PR						
Vega Baja	PR						
Vieques	PR						
Villalba	PR						
Yabucoa	PR						
Yauco	PR						
Bristol	RI						
Kent	RI						
Newport	RI						
Providence	RI						
Washington	RI						
Abbeville	SC						
Aiken	SC						
Allendale	SC					4	
Anderson	SC						
Bamberg	SC					4	
Barnwell	SC						
Beaufort	SC						
Berkeley	SC						
Calhoun	SC						
Charleston	SC						
Cherokee	SC						
Chester	SC						
Chesterfield	SC						
Clarendon	SC				4		
Colleton	SC						
Darlington	SC				4		
Dillon	SC						
Dorchester	SC						
Edgefield	SC						
Fairfield	SC						
Florence	SC						
Georgetown	SC						
Greenville	SC						
Greenwood	SC	4					
Hampton	SC						
Horry	SC						
Jasper	SC	4					
Kershaw	SC						
Lancaster	SC						
Laurens	SC						
Lee	SC						
Lexington	SC						

County	State	A Group	B Group	C Group	D Group	G Group	
Marion	SC						
Marlboro	SC						
McCormick	SC						
Newberry	SC						
Oconee	SC						
Orangeburg	SC						
Pickens	SC						
Richland	SC						
Saluda	SC						
Spartanburg	SC						
Sumter	SC						
Union	SC						
Williamsburg	SC						
York	SC						
Aurora	SD		4		4	4	
Beadle	SD	4		4			
Bennett	SD	4	4	4	4	4	
Bon Homme	SD					4	
Brookings	SD						
Brown	SD						
Brule	SD		4		4	4	
Buffalo	SD	4	4	4	4	4	
Butte	SD	4	4	4	4	4	
Campbell	SD	4	4	4	4	4	
Charles Mix	SD		4		4	4	
Clark	SD						
Clay	SD						
Codington	SD	4		4			
Corson	SD	4	4	4	4	4	
Custer	SD	4		4		4	
Davison	SD					4	
Day	SD						
Deuel	SD	4					
Dewey	SD		4	4	4	4	
Douglas	SD		4		4	4	
Edmunds	SD						
Fall River	SD	4	4	4	4	4	
Faulk	SD						
Grant	SD	4					
Gregory	SD		4		4	4	
Haakon	SD	4	4	4	4	4	
Hamlin	SD	4		4			
Hand	SD	4	4	4	4	4	
Hanson	SD					4	
Harding	SD	4	4	4	4	4	
Hughes	SD		4	4	4	4	

County	State	A Group	B Group	C Group	D Group	G Group	
Hutchinson	SD					4	
Hyde	SD	4	4	4	4	4	
Jackson	SD	4	4	4	4	4	
Jerauld	SD		4		4	4	
Jones	SD		4	4	4	4	
Kingsbury	SD						
Lake	SD						
Lawrence	SD	4		4		4	
Lincoln	SD						
Lyman	SD		4	4	4	4	
Marshall	SD						
McCook	SD						
McPherson	SD						
Meade	SD	4		4		4	
Mellette	SD	4	4	4	4	4	
Miner	SD						
Minnehaha	SD						
Moody	SD						
Pennington	SD	4		4		4	
Perkins	SD	4	4	4	4	4	
Potter	SD	4	4	4	4	4	
Roberts	SD	4					
Sanborn	SD						
Shannon	SD	4		4		4	
Spink	SD						
Stanley	SD		4	4	4	4	
Sully	SD		4	4	4	4	
Todd	SD	4	4	4	4	4	
Tripp	SD	4	4	4	4	4	
Turner	SD						
Union	SD						
Walworth	SD	4	4	4	4	4	
Yankton	SD					4	
Ziebach	SD	4	4	4	4	4	
Anderson	TN						
Bedford	TN						
Benton	TN						
Bledsoe	TN	4		4			
Blount	TN						
Bradley	TN	4		4			
Campbell	TN						
Cannon	TN						
Carroll	TN				4		
Carter	TN		4	4		4	
Cheatham	TN						
Chester	TN				4		

County	State	A Group	B Group	C Group	D Group	G Group	
Claiborne	TN						
Clay	TN	4	4	4	4	4	
Cocke	TN						
Coffee	TN						
Crockett	TN						
Cumberland	TN	4		4	4	4	
Davidson	TN						
Decatur	TN				4		
DeKalb	TN			4			
Dickson	TN						
Dyer	TN						
Fayette	TN						
Fentress	TN						
Franklin	TN						
Gibson	TN						
Giles	TN						
Grainger	TN						
Greene	TN						
Grundy	TN			4			
Hamblen	TN						
Hamilton	TN	4		4			
Hancock	TN		4	4	4	4	
Hardeman	TN						
Hardin	TN						
Hawkins	TN		4	4		4	
Haywood	TN						
Henderson	TN				4		
Henry	TN						
Hickman	TN						
Houston	TN						
Humphreys	TN						
Jackson	TN	4	4	4	4	4	
Jefferson	TN						
Johnson	TN		4	4		4	
Knox	TN						
Lake	TN						
Lauderdale	TN						
Lawrence	TN						
Lewis	TN	4			4	4	
Lincoln	TN						
Loudon	TN						
Macon	TN	4	4	4	4	4	
Madison	TN						
Marion	TN			4			
Marshall	TN						
Maury	TN						

County	State	A Group	B Group	C Group	D Group	G Group	
McMinn	TN	4		4			
McNairy	TN				4		
Meigs	TN	4		4			
Monroe	TN						
Montgomery	TN						
Moore	TN						
Morgan	TN						
Obion	TN						
Overton	TN	4	4	4	4	4	
Perry	TN	4			4	4	
Pickett	TN						
Polk	TN	4		4			
Putnam	TN	4		4	4	4	
Rhea	TN	4		4			
Roane	TN						
Robertson	TN						
Rutherford	TN						
Scott	TN						
Sequatchie	TN			4			
Sevier	TN						
Shelby	TN						
Smith	TN	4	4	4	4	4	
Stewart	TN						
Sullivan	TN		4	4		4	
Sumner	TN						
Tipton	TN						
Trousdale	TN	4	4	4		4	
Unicoi	TN						
Union	TN						
Van Buren	TN			4			
Warren	TN			4			
Washington	TN						
Wayne	TN						
Weakley	TN				4		
White	TN	4		4	4	4	
Williamson	TN						
Wilson	TN						
Anderson	TX						
Andrews	TX						
Angelina	TX	4	4	4	4	4	
Aransas	TX						
Archer	TX						
Armstrong	TX	4			4		
Atascosa	TX		4			4	
Austin	TX						
Bailey	TX						

County	State	A Group	B Group	C Group	D Group	G Group	
Bandera	TX						
Bastrop	TX						
Baylor	TX						
Bee	TX						
Bell	TX						
Bexar	TX						
Blanco	TX						
Borden	TX	4					
Bosque	TX						
Bowie	TX						
Brazoria	TX						
Brazos	TX						
Brewster	TX	4	4	4	4	4	
Briscoe	TX	4	4	4	4	4	
Brooks	TX	4	4	4		4	
Brown	TX						
Burleson	TX						
Burnet	TX						
Caldwell	TX						
Calhoun	TX			4		4	
Callahan	TX						
Cameron	TX						
Camp	TX				4	4	
Carson	TX	4			4		
Cass	TX						
Castro	TX			4			
Chambers	TX						
Cherokee	TX				1	4	
Childress	TX	4	4	4	4	4	
Clay	TX						
Cochran	TX		4		4	4	
Coke	TX						
Coleman	TX						
Collin	TX						
Collingsworth	TX			4	4	4	
Colorado	TX						
Comal	TX						
Comanche	TX						
Concho	TX						
Cooke	TX						
Coryell	TX						
Cottle	TX	4	4	4	4	4	
Crane	TX						
Crockett	TX						
Crosby	TX						
Culberson	TX						

County	State	A Group	B Group	C Group	D Group	G Group	
Dallam	TX	4	4	4	4	4	
Dallas	TX						
Dawson	TX						
Deaf Smith	TX						
Delta	TX						
Denton	TX						
DeWitt	TX					4	
Dickens	TX	4	4	4	4	4	
Dimmit	TX	4	4	4	4	4	
Donley	TX	4	4	4	4	4	
Duval	TX		4			4	
Eastland	TX	4				2	
Ector	TX						
Edwards	TX					4	
El Paso	TX						
Ellis	TX						
Erath	TX						
Falls	TX						
Fannin	TX						
Fayette	TX						
Fisher	TX						
Floyd	TX						
Foard	TX	4	4	4	4	4	
Fort Bend	TX						
Franklin	TX				4	4	
Freestone	TX						
Frio	TX	4				4	
Gaines	TX						
Galveston	TX						
Garza	TX						
Gillespie	TX					4	
Glasscock	TX						
Goliad	TX			4		4	
Gonzales	TX						
Gray	TX	4	4	4	4	4	
Grayson	TX						
Gregg	TX				4	4	
Grimes	TX						
Guadalupe	TX						
Hale	TX						
Hall	TX	4	4	4	4	4	
Hamilton	TX						
Hansford	TX	4	4	4	4	4	
Hardeman	TX				4		
Hardin	TX				4		
Harris	TX						

County	State	A Group	B Group	C Group	D Group	G Group	
Harrison	TX					4	
Hartley	TX	4			4		
Haskell	TX	4	4	4	4	4	
Hays	TX						
Hemphill	TX	4	4	4	4	4	
Henderson	TX						
Hidalgo	TX						
Hill	TX						
Hockley	TX						
Hood	TX						
Hopkins	TX						
Houston	TX					4	
Howard	TX						
Hudspeth	TX						
Hunt	TX						
Hutchinson	TX	4			4		
Irion	TX						
Jack	TX						
Jackson	TX						
Jasper	TX				4		
Jeff Davis	TX	4	4	4	4	4	
Jefferson	TX				4		
Jim Hogg	TX						
Jim Wells	TX						
Johnson	TX						
Jones	TX						
Karnes	TX					4	
Kaufman	TX						
Kendall	TX						
Kenedy	TX						
Kent	TX	4	4	4	4	4	
Kerr	TX			4		4	
Kimble	TX			4		4	
King	TX	4	4	4	4	4	
Kinney	TX	4			4	4	
Kleberg	TX						
Knox	TX	4	4	4	4	4	
La Salle	TX	4	4			4	
Lamar	TX					4	
Lamb	TX						
Lampasas	TX						
Lavaca	TX						
Lee	TX						
Leon	TX						
Liberty	TX						
Limestone	TX						

County	State	A Group	B Group	C Group	D Group	G Group	
Lipscomb	TX	4	4	4	4	4	
Live Oak	TX					4	
Llano	TX		4			2	
Loving	TX						
Lubbock	TX						
Lynn	TX	4					
Madison	TX						
Marion	TX					4	
Martin	TX						
Mason	TX					2	
Matagorda	TX						
Maverick	TX	4	4	4	4	4	
McCulloch	TX						
McLennan	TX						
McMullen	TX		4			4	
Medina	TX						
Menard	TX						
Midland	TX						
Milam	TX						
Mills	TX						
Mitchell	TX	4	4	4	4	4	
Montague	TX	4				4	
Montgomery	TX						
Moore	TX	4			4		
Morris	TX				4	4	
Motley	TX	4	4	4	4	4	
Nacogdoches	TX	4	4	4	4	4	
Navarro	TX						
Newton	TX						
Nolan	TX						
Nueces	TX						
Ochiltree	TX	4	4	4	4	4	
Oldham	TX	4			4		
Orange	TX						
Palo Pinto	TX	4				4	
Panola	TX						
Parker	TX						
Parmer	TX						
Pecos	TX	4	4	4	4	4	
Polk	TX					4	
Potter	TX	4			4		
Presidio	TX	4	4	4	4	4	
Rains	TX				4	4	
Randall	TX						
Reagan	TX	4	4	4	4	4	
Real	TX					4	

County	State	A Group	B Group	C Group	D Group	G Group	
Red River	TX						
Reeves	TX						
Refugio	TX						
Roberts	TX	4	4	4	4	4	
Robertson	TX						
Rockwall	TX						
Runnels	TX						
Rusk	TX				4	4	
Sabine	TX	4	4	4			
San Augustine	TX	4	4	4	4		
San Jacinto	TX					4	
San Patricio	TX						
San Saba	TX						
Schleicher	TX						
Scurry	TX	4	4	4	4	4	
Shackelford	TX						
Shelby	TX	4	4	4	4		
Sherman	TX	4	4	4	4	4	
Smith	TX				1	4	
Somervell	TX						
Starr	TX						
Stephens	TX	4				4	
Sterling	TX						
Stonewall	TX	4	4	4	4	4	
Sutton	TX	4	4	4	4	4	
Swisher	TX			4			
Tarrant	TX						
Taylor	TX						
Terrell	TX	4	4	4	4	4	
Terry	TX						
Throckmorton	TX	4	4	4	4	4	
Titus	TX				4	4	
Tom Green	TX						
Travis	TX						
Trinity	TX					4	
Tyler	TX				4		
Upshur	TX				4	4	
Upton	TX						
Uvalde	TX	4				4	
Val Verde	TX	4	4	4	4	4	
Van Zandt	TX						
Victoria	TX			4		4	
Walker	TX						
Waller	TX						
Ward	TX	4	4	4	4	4	
Washington	TX						

County	State	A Group	B Group	C Group	D Group	G Group	
Webb	TX						
Wharton	TX						
Wheeler	TX			4	4	4	
Wichita	TX						
Wilbarger	TX						
Willacy	TX						
Williamson	TX						
Wilson	TX						
Winkler	TX						
Wise	TX						
Wood	TX				4	4	
Yoakum	TX				4	4	
Young	TX						
Zapata	TX						
Zavala	TX	4			4	4	
Beaver	UT		4		4	4	
Box Elder	UT						
Cache	UT	4	4	4	4	4	
Carbon	UT	4	4	4	4	4	
Daggett	UT	4	4	4	4	4	
Davis	UT						
Duchesne	UT	4	4	4	4	4	
Emery	UT	4	4	4	4	4	
Garfield	UT		4		4	4	
Grand	UT	4	4	4	4	4	
Iron	UT						
Juab	UT	4	4	4	4		
Kane	UT		4		4	4	
Millard	UT	4	4	4	4	4	
Morgan	UT						
Piute	UT	4	4	4	4	4	
Rich	UT	4	4	4	4	4	
Salt Lake	UT						
San Juan	UT	4	4	4	4	4	
Sanpete	UT	4	4	4	4		
Sevier	UT	4	4	4	4	4	
Summit	UT						
Tooele	UT						
Uintah	UT	4	4	4	4	4	
Utah	UT						
Wasatch	UT						
Washington	UT						
Wayne	UT	4	4	4	4	4	
Weber	UT						
Accomack	VA						
Albemarle	VA						

County	State	A Group	B Group	C Group	D Group	G Group	
Alexandria City	VA						
Alleghany	VA						
Amelia	VA	4					
Amherst	VA						
Appomattox	VA						
Arlington	VA						
Augusta	VA						
Bath	VA	2					
Bedford	VA						
Bedford City	VA						
Bland	VA	4	4	4	4	4	
Botetourt	VA						
Bristol City	VA		4	4		4	
Brunswick	VA						
Buchanan	VA	4	4	4	4	4	
Buckingham	VA						
Buena Vista City	VA						
Campbell	VA						
Caroline	VA						
Carroll	VA	2	4	4	4	4	
Charles City	VA						
Charlotte	VA						
Charlottesville City	VA						
Chesapeake City	VA						
Chesterfield	VA	3					
Clarke	VA				4	2	
Colonial Heights City	VA	3					
Covington City	VA	2					
Craig	VA						
Culpeper	VA						
Cumberland	VA						
Danville City	VA	4	4	4	4	4	
Dickenson	VA	4	4	4	4	4	
Dinwiddie	VA						
Emporia City	VA						
Essex	VA		4		4		
Fairfax	VA						
Fairfax City	VA						
Falls Church City	VA						
Fauquier	VA						
Floyd	VA						
Fluvanna	VA						
Franklin	VA						
Franklin City	VA						
Frederick	VA				4	2	
Fredericksburg City	VA	4	4	4		4	

County	State	A Group	B Group	C Group	D Group	G Group	
Galax City	VA	4	4	4	4	4	
Giles	VA						
Gloucester	VA						
Goochland	VA						
Grayson	VA	4	4	4	4	4	
Greene	VA						
Greensville	VA						
Halifax	VA			4	4	4	
Hampton City	VA						
Hanover	VA	1					
Harrisonburg City	VA						
Henrico	VA	3					
Henry	VA						
Highland	VA						
Hopewell City	VA	3					
Isle of Wight	VA						
James City	VA						
King and Queen	VA		4	4	4		
King George	VA	4	4				
King William	VA						
Lancaster	VA			4			
Lee	VA	4	4	4	4	4	
Lexington City	VA						
Loudoun	VA						
Louisa	VA						
Lunenburg	VA						
Lynchburg City	VA						
Madison	VA						
Manassas City	VA						
Manassas Park City	VA						
Martinsville City	VA	4	4	4	4	4	
Mathews	VA						
Mecklenburg	VA						
Middlesex	VA			4			
Montgomery	VA						
Nelson	VA						
New Kent	VA						
Newport News City	VA						
Norfolk City	VA						
Northampton	VA						
Northumberland	VA			4			
Norton City	VA	4	4	4	4	4	
Nottoway	VA						
Orange	VA						
Page	VA						
Patrick	VA	2			1	4	

County	State	A Group	B Group	C Group	D Group	G Group	
Petersburg City	VA	3					
Pittsylvania	VA						
Poquoson City	VA						
Portsmouth City	VA						
Powhatan	VA						
Prince Edward	VA						
Prince George	VA						
Prince William	VA						
Pulaski	VA						
Radford City	VA	2	4	4	4	4	
Rappahannock	VA						
Richmond	VA		4				
Richmond City	VA	3					
Roanoke	VA						
Roanoke City	VA						
Rockbridge	VA						
Rockingham	VA						
Russell	VA		4	4		4	
Salem City	VA						
Scott	VA		4	4		4	
Shenandoah	VA						
Smyth	VA	4	4	4	4	4	
Southampton	VA						
Spotsylvania	VA						
Stafford	VA						
Staunton City	VA						
Suffolk City	VA						
Surry	VA						
Sussex	VA						
Tazewell	VA	4	4	4	4	4	
Virginia Beach City	VA						
Warren	VA				4	2	
Washington	VA		4	4		4	
Waynesboro City	VA						
Westmoreland	VA		4				
Williamsburg City	VA						
Winchester City	VA				4	2	
Wise	VA	4	4	4	4	4	
Wythe	VA	4	4	4	4	4	
York	VA						
St. Croix	VI			4	4	4	
St. John	VI			4	4		
St. Thomas	VI						
Addison	VT						
Bennington	VT						
Caledonia	VT						

County	State	A Group	B Group	C Group	D Group	G Group	
Chittenden	VT						
Essex	VT			4		4	
Franklin	VT						
Grand Isle	VT						
Lamoille	VT						
Orange	VT						
Orleans	VT						
Rutland	VT						
Washington	VT						
Windham	VT						
Windsor	VT						
Adams	WA	4	4	4	4	4	
Asotin	WA		4	4			
Benton	WA						
Chelan	WA						
Clallam	WA						
Clark	WA						
Columbia	WA		4	4			
Cowlitz	WA						
Douglas	WA						
Ferry	WA	4	4	4	4	4	
Franklin	WA						
Garfield	WA		4	4			
Grant	WA						
Grays Harbor	WA	4		4	4	4	
Island	WA						
Jefferson	WA						
King	WA						
Kitsap	WA						
Kittitas	WA						
Klickitat	WA						
Lewis	WA	4		4	4	4	
Lincoln	WA						
Mason	WA						
Okanogan	WA						
Pacific	WA	4		4	4	4	
Pend Oreille	WA						
Pierce	WA						
San Juan	WA						
Skagit	WA						
Skamania	WA						
Snohomish	WA						
Spokane	WA						
Stevens	WA						
Thurston	WA	4		4	4	4	
Wahkiakum	WA	4	4	4	4	4	

County	State	A Group	B Group	C Group	D Group	G Group	
Walla Walla	WA						
Whatcom	WA						
Whitman	WA						
Yakima	WA						
Adams	WI	4	4		4	4	
Ashland	WI	4	4	4	4	4	
Barron	WI				2		
Bayfield	WI	4	4	3	4		
Brown	WI						
Buffalo	WI				2		
Burnett	WI	4	4		4	4	
Calumet	WI						
Chippewa	WI				2		
Clark	WI						
Columbia	WI	4		2			
Crawford	WI				2	4	
Dane	WI			2			
Dodge	WI						
Door	WI		4		2		
Douglas	WI	4	4	3	4		
Dunn	WI				2		
Eau Claire	WI				2		
Florence	WI	4	4	4	4	4	
Fond du Lac	WI						
Forest	WI	4	4		4		
Grant	WI	4		4	2	4	
Green	WI						
Green Lake	WI					3	
Iowa	WI			2			
Iron	WI	4	4	4	4	4	
Jackson	WI				2		
Jefferson	WI						
Juneau	WI	4	2		4	4	
Kenosha	WI						
Kewaunee	WI				2		
La Crosse	WI				3	4	
Lafayette	WI						
Langlade	WI		4				
Lincoln	WI		1				
Manitowoc	WI						
Marathon	WI						
Marinette	WI		4		2		
Marquette	WI	4	4	4		4	
Menominee	WI		4	4	2	4	
Milwaukee	WI						
Monroe	WI				3	4	

County	State	A Group	B Group	C Group	D Group	G Group	
Oconto	WI		4		2		
Oneida	WI	4	4				
Outagamie	WI						
Ozaukee	WI						
Pepin	WI				2		
Pierce	WI						
Polk	WI						
Portage	WI					4	
Price	WI	4	4				
Racine	WI						
Richland	WI				2		
Rock	WI			2			
Rusk	WI		4		2		
Sauk	WI	4		2			
Sawyer	WI	4	4		4	4	
Shawano	WI		4		2		
Sheboygan	WI						
St. Croix	WI						
Taylor	WI						
Trempealeau	WI				2		
Vernon	WI				3	4	
Vilas	WI	4	4		4	4	
Walworth	WI						
Washburn	WI	4	4		4	4	
Washington	WI						
Waukesha	WI						
Waupaca	WI		4				
Waushara	WI					3	
Winnebago	WI						
Wood	WI					4	
Barbour	WV			4	4	4	
Berkeley	WV					2	
Boone	WV	4	4	4	4	4	
Braxton	WV			4	4	4	
Brooke	WV						
Cabell	WV	4	4	4	4	4	
Calhoun	WV	4		4	4	4	
Clay	WV	4	4	4	4	4	
Doddridge	WV			4	4	4	
Fayette	WV	4	4	4	4	4	
Gilmer	WV			4	4	4	
Grant	WV			4	4	4	
Greenbrier	WV	2					
Hampshire	WV				4	2	
Hancock	WV						
Hardy	WV						

County	State	A Group	B Group	C Group	D Group	G Group	
Harrison	WV			4	4	4	
Jackson	WV	4		4	4	4	
Jefferson	WV				4	2	
Kanawha	WV	4	4	4	4	4	
Lewis	WV			4	4	4	
Lincoln	WV	4	4	4	4	4	
Logan	WV	4	4	4	4	4	
Marion	WV			4	4	4	
Marshall	WV			4	4	4	
Mason	WV	4		4	4	4	
McDowell	WV	4	4	4	4	4	
Mercer	WV	4	4	4	4	4	
Mineral	WV			4	4	2	
Mingo	WV	4	4	4	4	4	
Monongalia	WV			4	4	4	
Monroe	WV						
Morgan	WV					2	
Nicholas	WV	4	4	4	4	4	
Ohio	WV			4	4	4	
Pendleton	WV						
Pleasants	WV	4		4	4	4	
Pocahontas	WV	4	4	4	4	4	
Preston	WV			4	4	4	
Putnam	WV	4	4	4	4	4	
Raleigh	WV	4	4	4	4	4	
Randolph	WV			4	4	4	
Ritchie	WV	4		4	4	4	
Roane	WV	4		4	4	4	
Summers	WV	4	4	4	4	4	
Taylor	WV			4	4	4	
Tucker	WV			4	4	4	
Tyler	WV			4	4	4	
Upshur	WV			4	4	4	
Wayne	WV	4	4	4	4	4	
Webster	WV	4	4	4	4	4	
Wetzel	WV			4	4	4	
Wirt	WV	4		4	4	4	
Wood	WV	4		4	4	4	
Wyoming	WV	4	4	4	4	4	
Albany	WY						
Big Horn	WY		4	4			
Campbell	WY	4	4	4		4	
Carbon	WY						
Converse	WY						
Crook	WY	4	4	4		4	
Fremont	WY	4	4	4	4	4	

County	State	A Group	B Group	C Group	D Group	G Group	
Goshen	WY	4			4	4	
Hot Springs	WY	4	4	4	4	4	
Johnson	WY		4	4			
Laramie	WY						
Lincoln	WY	4	4	4	4	4	
Natrona	WY						
Niobrara	WY	4	4	4	4	4	
Park	WY	4	4	4	4	4	
Platte	WY	4		4	4	4	
Sheridan	WY		4	4			
Sublette	WY	4	4	4	4	4	
Sweetwater	WY	4	4	4	4	4	
Teton	WY	4	4	4	4	4	
Uinta	WY	4	4	4	4	4	
Washakie	WY		4	4			
Weston	WY	4	4	4		4	
TOTAL CHANNELS		2952	2957	2999	3122	3444	15474
TOTAL APPLICATIONS		759	746	764	802	876	3947

ATTACHMENT 4

EBS WHITE SPACE – Channel A1

Green circles represent existing 35 mile radius circular Geographic Service Areas (“GSAs”).

Purple areas reflect NEBSA-CTN-WCAI proposal to extend GSAs to county boundaries to make licensing more consistent with geographic units used for other services and to better fit within ULS.

White areas reflect areas that would be available for new licensing under NEBSA-CTN-WCAI proposal.

Map does not reflect WTB waivers granting a handful of new EBS licenses to entities that can afford construction and deployment without financial assistance from leasing.

